

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

APPLICATION FOR PERMIT TO DRILL OR REENTER

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

5. Lease Serial No.
UTU-01191

6. If Indian, Allottee or Tribe Name

7. If Unit or CA Agreement, Name and No.
UNIT #891008900A

8. Lease Name and Well No.
NBU 1022-04HT

9. API Well No.
43-047-40151

10. Field and Pool, or Exploratory
NATURAL BUTTES

11. Sec., T., R., M., or Blk, and Survey or Area
SEC 4-T10S-R22E

12. County or Parish
UINTAH

13. State
UT

1a. Type of Work: ☒ DRILL ☐ REENTER

b. Type of Well: ☐ Oil Well ☒ Gas Well ☐ Other ☐ Single Zone ☒ Multiple Zone

2. Name of Operator
KERR-MCGEE OIL & GAS ONSHORE LP

3A. Address
PO BOX 173779, DENVER, CO 80123

3b. Phone No. (include area code)
(720) 929-6666

4. Location of Well (Report location clearly and in accordance with any State requirements. *)

At surface SENE - 2015' FNL, 566' FEL 633479X 39.979679
At proposed prod. Zone 44264624 -109.436810

14. Distance in miles and direction from nearest town or post office*
26 +/- MILES SOUTH EAST OF OURAY, UTAH

15. Distance from proposed*
location to nearest
property or lease line, ft.
(Also to nearest drig. unit line, if any)
566'

16. No. of Acres in lease
1041.78

17. Spacing Unit dedicated to this well
40

18. Distance from proposed location*
to nearest well, drilling, completed,
applied for, on this lease, ft.
REFER TO
TOPO C

19. Proposed Depth
8900

20. BLM/BIA Bond No. on file
WYB-000291

21. Elevations (Show whether DF, KDB, RT, GL, etc.)
5069 GR

22. Approximate date work will start*
UPON APPROVAL

23. Estimated duration
TO BE DETERMINED

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

1. Well plat certified by a registered surveyor.

2. A Drilling Plan.

3. A Surface Use Plan (if the location is on National Forest System Lands, the
SUPO shall be filed with the appropriate Forest Service Office.

4. Bond to cover the operations unless covered by an existing bond on file (see
Item 20 above).

5. Operator certification.

6. Such other site specific information and/or plans as may be required by the
authorized office.

25. Signature
Raleen White

Name (Printed/Typed)
RALEEN WHITE

Date
6/13/2008

Title

SR. REGULATORY ANALYST

Approved by (Signature)
Bradley G. Hill

Name (Printed/Typed)
BRADLEY G. HILL
Office
ENVIRONMENTAL MANAGER

Date
06-18-08

Title

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

Federal Approval of this
Action is Necessary

RECEIVED

JUN 16 2008

DIV. OF OIL, GAS & MINING

OF 7

ELEV. UNGRADED GROUND = 5069.3'

NBU 1022-04HT
S TWIN TO NBU 335
MENE SEC. 4, T10S, R22E
UINTAH COUNTY, UTAH
UTU-01191

ONSHORE ORDER NO. 1

DRILLING PROGRAM

1. **Estimated Tops of Important Geologic Markers:**

<u>Formation</u>	<u>Depth</u>
Uinta	0- Surface
Green River	1238'
Birds Nest	1480'
Mahogany	1972'
Wasatch	4311'
Mesaverde	6725'
TD	8900'

2. **Estimated Depths of Anticipated Water, Oil, Gas, or Mineral Formations:**

<u>Substance</u>	<u>Formation</u>	<u>Depth</u>
	Green River	1238'
Water	Birds Nest	1480'
Water	Mahogany	1972'
Gas	Wasatch	4311'
Gas	Mesaverde	6725'
Water	N/A	
Other Minerals	N/A	

3. **Pressure Control Equipment** (Schematic Attached)

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

4. **Proposed Casing & Cementing Program:**

Please see the Natural Buttes Unit SOP.

5. **Drilling Fluids Program:**

Please see the Natural Buttes Unit SOP.

6. **Evaluation Program:**

Please see the Natural Buttes Unit SOP.

7. **Abnormal Conditions:**

Maximum anticipated bottomhole pressure calculated at 8900' TD, approximately equals 5518 psi (calculated at 0.62 psi/foot).

Maximum anticipated surface pressure equals approximately 3560 psi (bottomhole pressure minus the pressure of a partially evacuated hole calculated at 0.22 psi/foot).

8. **Anticipated Starting Dates:**

Drilling is planned to commence immediately upon approval of this application.

9. **Variances:**

Please see Natural Buttes Unit SOP. Please see KMG sundry regarding variance request to Onshore Order #2 regarding Air drilling for surface casing

10. **Other Information:**

Please see Natural Buttes Unit SOP.



KERR-McGEE OIL & GAS ONSHORE LP

DRILLING PROGRAM

COMPANY NAME KERR-McGEE OIL & GAS ONSHORE LP DATE June 13, 2008
 WELL NAME NBU 1022-04HT TD 8,900' MD/TVD
 FIELD Natural Buttes COUNTY Uintah STATE Utah ELEVATION 5,072' GL KB 5,087'
 SURFACE LOCATION SENE - SEC. 4, T10S, R22E - 2015' FNL, 566' FEL BHL Straight Hole
 Latitude: 39.979770 Longitude: 109.436840
 OBJECTIVE ZONE(S) Wasatch/Mesaverde
 ADDITIONAL INFO Regulatory Agencies: UDOGM (SURF & MINERALS), BLM, Tri-County Health Dept.

GEOLOGICAL FORMATION		MECHANICAL		MUD	
LOGS	TOPS	DEPTH	HOLE SIZE	CASING SIZE	WEIGHT
		40'		14"	
			12-1/4"	9-5/8", 36#, J-55, LTC	Air mist
Catch water sample, if possible, from 0 to 4,311'					
	Green River @	1,238'			
	Top of Birds Nest Water @	1480'			
	Mahogany @	1,972'			
	Preset f/ GL @				
	2,100' MD				
Note: 12.25" surface hole will usually be drilled ±400' below the bottom of lost circulation zone. Drilled depth may be ±200' of the estimated set depth depending on the actual depth of the loss zone.					
Mud logging program TBD					
Open hole logging program f/ TD - surf csg					
	Wasatch @	4,311'	7-7/8"	4-1/2", 11.6#, I-80 or equivalent LTC casing	Water/Fresh Water Mud 8.3-10.0 ppg
	Mverde @	6,725'			
	MVU2 @	7,628'			
	MVL1 @	8,229'			
	TD @	8,900'			Max anticipated Mud required 10.0 ppg



KERR-McGEE OIL & GAS ONSHORE LP **DRILLING PROGRAM**

CASING PROGRAM

	SIZE	INTERVAL	WT.	GR.	CPLG.	DESIGN FACTORS		
						BURST	COLLAPSE	TENSION
CONDUCTOR	14"	0-40'				3520	2020	453000
SURFACE	9-5/8"	0 to 2100	36.00	J-55	LTC	1.32	2.06	7.63
PRODUCTION	4-1/2"	0 to 8900	11.60	I-80	LTC	2.91	1.37	2.23

- 1) Max Anticipated Surf. Press.(MASP) (Surface Casing) = (Pore Pressure at next csg point-(0.22 psi/ft-partial evac gradient x TVD of next csg point)
- 2) MASP (Prod Casing) = Pore Pressure at TD - (.22 psi/ft-partial evac gradient x TD)
- (Burst Assumptions: TD = 10.0 ppg) .22 psi/ft = gradient for partially evac wellbore
- (Collapse Assumption: Fully Evacuated Casing, Max MW) (Tension Assumptions: Air Weight of Casing*Buoy.Fact. of water)
- MASP 2670 psi

CEMENT PROGRAM

		FT. OF FILL	DESCRIPTION	SACKS	EXCESS	WEIGHT	YIELD
SURFACE Option 1	LEAD	500	Premium cmt + 2% CaCl + .25 pps flocele	215	60%	15.60	1.18
	TOP OUT CMT (1)	200	20 gals sodium silicate + Premium cmt + 2% CaCl + .25 pps flocele	50		15.60	1.18
	TOP OUT CMT (2)	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
SURFACE Option 2		NOTE: If well will circulate water to surface, option 2 will be utilized:					
	LEAD	1500	Prem cmt + 16% Gel + 10 pps gilsonite + .25 pps Flocele + 3% salt BWOC	170	35%	11.00	3.82
	TAIL	500	Premium cmt + 2% CaCl + .25 pps flocele	180	35%	15.60	1.18
	TOP OUT CMT	as required	Premium cmt + 2% CaCl	as req.		15.60	1.18
PRODUCTION	LEAD	3,810'	Premium Lite II + 3% KCl + 0.25 pps celloflake + 5 pps gilsonite + 10% gel + 0.5% extender	420	60%	11.00	3.38
	TAIL	5,090'	50/50 Poz/G + 10% salt + 2% gel +.1% R-3	1420	60%	14.30	1.31

*Substitute caliper hole volume plus 0% excess for LEAD if accurate caliper is obtained

*Substitute caliper hole volume plus 10% excess for TAIL if accurate caliper is obtained

FLOAT EQUIPMENT & CENTRALIZERS

SURFACE	Guide shoe, 1 jt, insert float. Centralize first 3 joints with bow spring centralizers. Thread lock guide shoe.
PRODUCTION	Float shoe, 1 jt, float collar. Centralize first 3 joints & every third joint to top of tail cement with bow spring centralizers.

ADDITIONAL INFORMATION

Test casing head to 750 psi after installing. Test surface casing to 1,500 psi prior to drilling out.

BOPE: 11" 5M with one annular and 2 rams. Test to 5,000 psi (annular to 2,500 psi) prior to drilling out. Record on chart recorder &

tour sheet. Function test rams on each trip. Maintain safety valve & inside BOP on rig floor at all times. Kelly to be equipped with upper

& lower kelly valves.

Drop Totco surveys every 2000'. Maximum allowable hole angle is 5 degrees.

Most rigs have PVT Systems for mud monitoring. If no PVT is available, visual monitoring will be utilized.

DRILLING ENGINEER:

Brad Laney

DATE: _____

DRILLING SUPERINTENDENT:

Randy Bayne

DATE: _____

**NBU 1022-04HT
TWIN TO NBU 335
SENE, SEC. 4, T10S, R22E, SLB&M
UINTAH COUNTY, UTAH
UTU-01191**

ONSHORE ORDER NO. 1

MULTI-POINT SURFACE USE & OPERATIONS PLAN

1. Existing Roads:

Refer to the attached location directions.

Refer to Topo Maps A and B for location of access roads within a 2-mile radius.

2. Planned Access Roads:

No new access road is proposed. Refer to Topo Map B.

Existence of pipelines; maximum grade; turnouts; major cut and fills, culverts, or bridges; gates, cattle guards, fence cuts, or modifications to existing facilities were determined at the on-site.

Please see the Natural Buttes Unit Standard Operating Procedure (SOP).

3. Location of Existing Wells Within a 1-Mile Radius:

Please refer to Topo Map C.

4. Location of Existing & Proposed Facilities:

Please see the Natural Buttes Unit SOP.

Utilizing existing pipeline.

Variances to Best Management Practices (BMPs) Requested:

All facilities will be painted within six months of installation. Facilities required to comply with the Occupational Safety and Health Act (OSHA) will be excluded. The requested color is Carlsbad Canyon Brown (2.5Y 6/2), a non-reflective earthtone.

Interim Surface Reclamation Plan:

This exception is requested due to the current twin and multi-well program. If determined that this well will not be a candidate for either twinning &/or multi-well the operator shall spread the topsoil pile on the location up to the rig anchor points. The location will be reshaped to the original contour to the extent possible. The operator will reseed the area using the BLM recommended seed mixture and reclamation methods.

5. **Location and Type of Water Supply:**

Please see the Natural Buttes SOP.

6. **Source of Construction Materials:**

Please see the Natural Buttes SOP.

7. **Methods of Handling Waste Materials:**

Please see the Natural Buttes SOP.

A plastic reinforced liner is to be used as discussed during on-site inspection. It will be a minimum of 20 mil thick and felt, with sufficient bedding used to cover any rocks. The liner will overlap the pit walls and be covered with dirt and/or rocks to hold it in place. No trash or scrap that could puncture the liner will be disposed of in the pit.

Any produced water from the proposed well will be contained in a water tank and will then be hauled by truck to one of the pre-approved disposal sites: RNI, Sec. 5, T9S, R22E, NBU #159, Sec. 35, T9S R21E, Ace Oilfield, Sec. 2, T6S, R20E, MC&MC, Sec. 12, T6S, R19E, Pipeline Facility Sec. 36, T9S, R20E, Goat Pasture Evaporation Pond SW/4 Sec. 16, T10S, R22E, Bonanza Evaporation Pond Sec. 2, T10S, R23E (*Request is in lieu of filing Form 3160-5, after initial production*).

8. **Ancillary Facilities:**

Please see the Natural Buttes SOP.

9. **Well Site Layout:** (See Location Layout Diagram)

The attached Location Layout Diagram describes drill pad cross-sections, cuts and fills, and locations of the mud tanks, reserve pit, flare pit, pipe racks, trailer parking, spoil dirt stockpile(s), and surface material stockpile(s).

Please see the attached diagram to describe rig orientation, parking areas, and access roads.

Location size may change prior to the drilling of the well due to the current rig availability. If the proposed location is not large enough to accommodate the drilling rig. The location will be re-surveyed and a form 3160-5 will be submitted.

10. **Plans for Reclamation of the Surface:**

Please see the Natural Buttes SOP.

Upon reclamation of the pit the operator will utilize the same seed mix approved for the NBU 165. Operator shall call the BLM for the seed mixture when final reclamation occurs.

11. **Surface and Mineral Ownership:**

The well pad, access road, pipeline and mineral ownership are listed below:

United States of America
Bureau of Land Management
170 South 500 East
Vernal, UT 84078
(435)781-4400

13. **Other Information:**

A Class III archaeological survey, T&E Clearance and a paleontological survey have been performed and will be sent to the BLM with a form letter

This location is not within 460' from the boundary of the Natural Buttes Unit, nor is it within 460' of any non-committed tract lying within the boundaries of the Unit.

13. Lessee's or Operator's Representative & Certification:

Raleen White
Sr. Regulatory Analyst
Kerr-McGee Oil & Gas Onshore LP
PO Box 173779
Denver, CO
(720) 929-6666

Randy Bayne
Drilling Manager
Kerr-McGee Oil & Gas Onshore LP
1368 South 1200 East
Vernal, UT 84078
(435) 781-7018

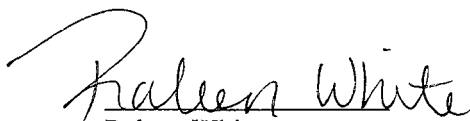
Certification: All lease and/or unit operations will be conducted in such a manner that full compliance is made with all applicable laws, regulations, Onshore Oil and Gas Orders, the approved Plan of Operations, and any applicable Notice to Lessees.

Kerr-McGee Oil & Gas Onshore LP is considered to be the operator of the subject well. Kerr-McGee Oil & Gas Onshore LP agrees to be responsible under the terms and conditions of the lease for the operations conducted upon leased lands.

The Operator will be fully responsible for the actions of its subcontractors. A complete copy of the approved "Application for Permit to Drill" will be furnished to the field representative(s) to ensure compliance and shall be on location during all construction and drilling operations.

Bond coverage pursuant to 43 CFR 3104 for lease activities is being provided by BLM Nationwide Bond #WYB000291.

I hereby certify that I, or persons under my supervision, have inspected the proposed drill site and access route, that I am familiar with the conditions that currently exist; that the statements made in this plan are, to the best of my knowledge, true and correct; and the work associated with the operations proposed herein will be performed by the Operator, its contractors, and subcontractors in conformity with this plan and the terms and conditions under which it is approved.


Raleen White

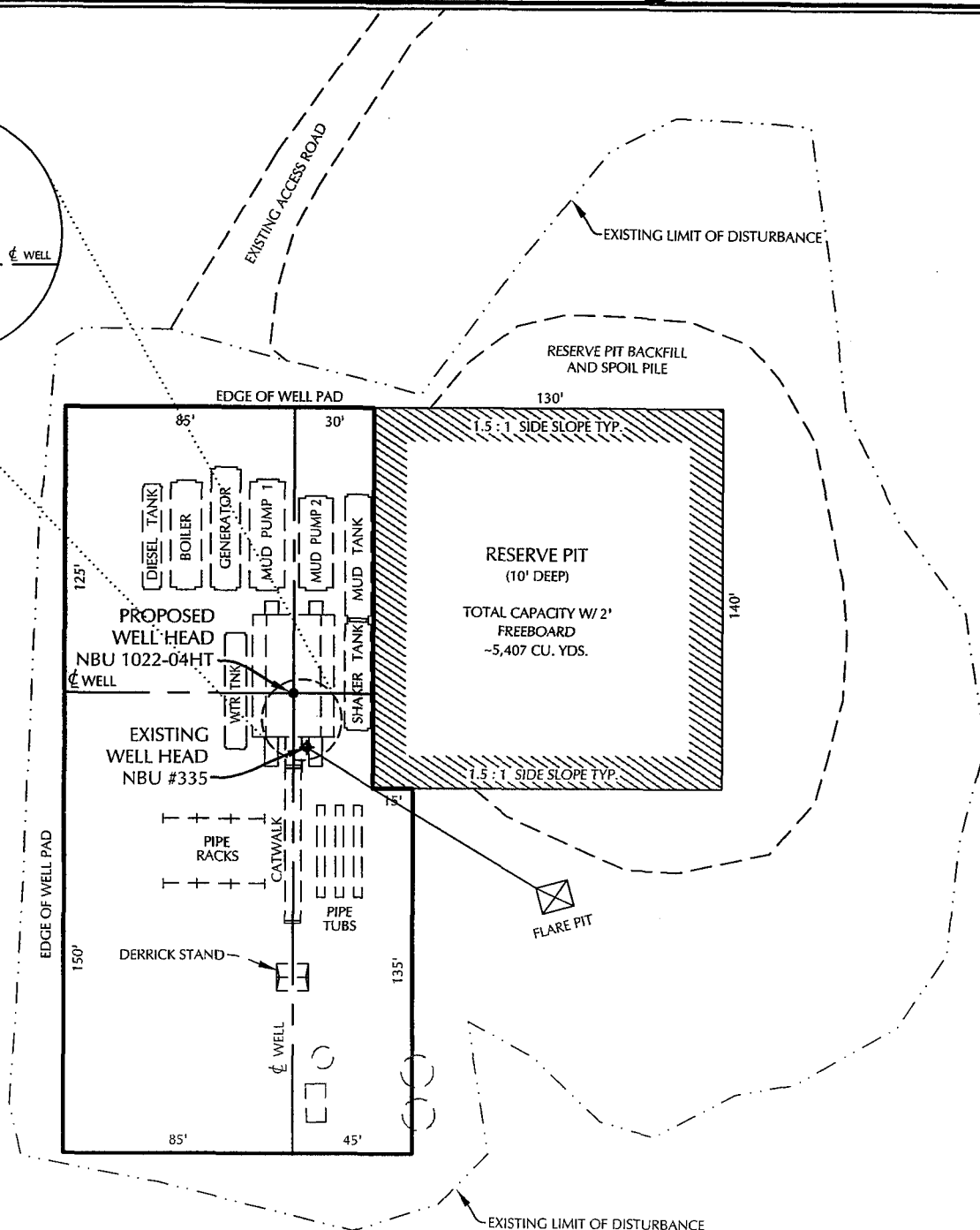
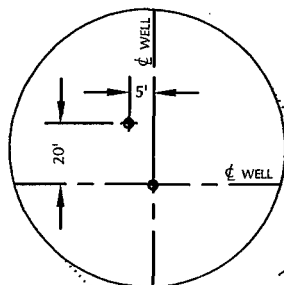
6/13/2008

Date

Kerr-McGee Oil & Gas Onshore, LP
NBU #1022-04HT
SECTION 4, T10S, R22E, S.L.B.&M.

PROCEED IN A WESTERLY DIRECTION FROM VERNAL, UTAH, ALONG U.S. HIGHWAY 40 APPROXIMATELY 13.2 MILES TO THE JUNCTION OF STATE HIGHWAY 88; EXIT LEFT AND PROCEED IN A SOUTHERLY DIRECTION APPROXIMATELY 16.5 MILES TO OURAY, UTAH; PROCEED FROM OURAY, UTAH, IN A SOUTHERLY DIRECTION ON STATE HIGHWAY 88 APPROXIMATELY 9.4 MILES TO THE JUNCTION OF STATE HIGHWAY 88 AND SEEP RIDGE ROAD; EXIT LEFT AND PROCEED IN A SOUTHEASTERLY DIRECTION APPROXIMATELY 1.7 MILES TO THE JUNCTION OF THIS ROAD AND GLEN BENCH ROAD; EXIT LEFT AND PROCEED IN AN EASTERLY DIRECTION FOR APPROXIMATELY 5.1 MILES TO THE JUNCTION OF THIS ROAD AND BITTER CREEK ROAD; TURN RIGHT AND PROCEED IN A SOUTHERLY DIRECTION, GRADUALLY CHANGING TO SOUTHEASTERLY FOR APPROXIMATELY 4.0 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTH; TURN LEFT AND PROCEED IN A NORTHERLY DIRECTION, GRADUALLY CHANGING TO NORTHEASTERLY APPROXIMATELY 3.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE EAST; TURN RIGHT AND PROCEED IN AN EASTERLY DIRECTION, GRADUALLY CHANGING TO NORTHERLY APPROXIMATELY 1.9 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE NORTHEAST; TURN RIGHT AND PROCEED IN A NORTHEASTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND AN EXISTING ROAD TO THE WEST; TURN LEFT AND PROCEED IN A WESTERLY DIRECTION APPROXIMATELY 0.1 MILES TO THE JUNCTION OF THIS ROAD AND THE PROPOSED NBU 1022-04HT WELL LOCATION.

TOTAL DISTANCE FROM VERNAL, UTAH, TO THE PROPOSED NBU 1022-04HT WELL LOCATION IS APPROXIMATELY 55.1 MILES.



NOTES:

1. FLARE PIT IS TO BE LOCATED A MIN. OF 100' FROM THE WELL HEAD
2. ELEVATION BASED ON TRI-STA "TWO WATERS" LOCATED IN THE NW1/4 OF SEC. 1, T.10S., R.21E., S.L.B. & M. (THE ELEVATION OF THIS TRI-STA IS SHOWN ON THE BIG PACK MTN. NE 7.5 MIN. QUADRANGLE AS BEING 5,238')
3. NBU 1022-04HT EXISTING GROUND ELEVATION = 5,069.3'

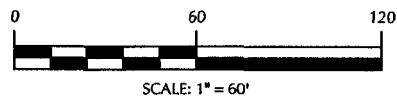
KERR-MCGEE OIL & GAS ONSHORE, LP

1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04HT
LOCATION LAYOUT
2,015' FNL - 566' FEL
SE1/4NE1/4, SEC. 4, T.10S., R.22E.
S.L.B. & M., UINTAH COUNTY, UTAH



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



Scale: 1"=60'	Date: 6/6/08	SHEET NO:
REVISED:	BY DATE	3 3 OF 7



PHOTO VIEW: LOCATION STAKE

CAMERA ANGLE: SOUTHEASTERLY



PHOTO VIEW: EXISTING ACCESS ROAD

CAMERA ANGLE: NORTHWESTERLY

**Kerr-McGee
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04HT
2015' FNL, 566' FEL
SE 1/4 NE 1/4 OF
SECTION 4, T10S, R22E, S.L.B.&M.
UINTAH COUNTY, UTAH.



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

LOCATION PHOTOS

TAKEN BY: B.J.S.

DRAWN BY: B.R.B.

DATE TAKEN: 05-31-08

DATE DRAWN: 06-03-08

REVISED:

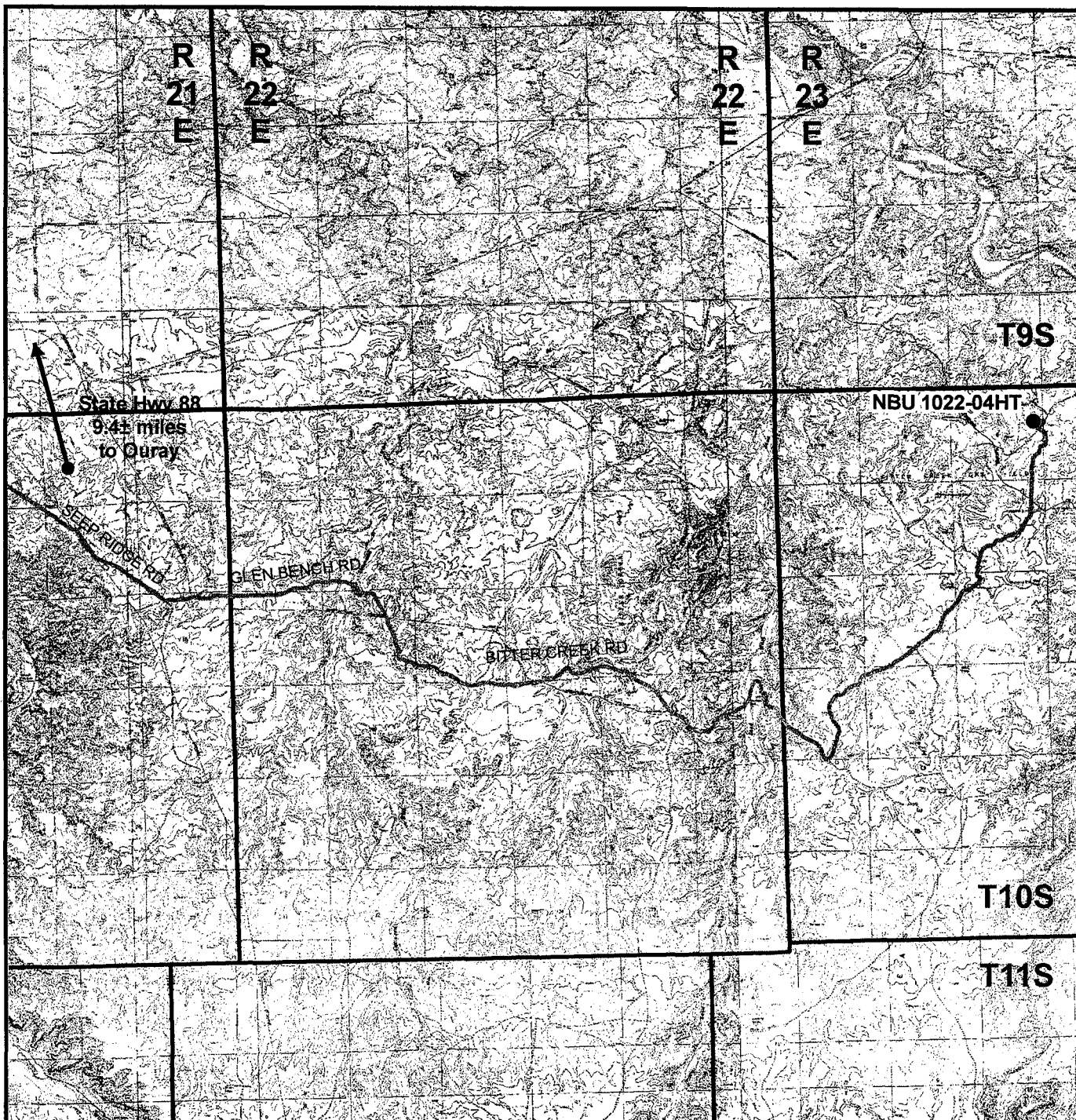
Timberline

Engineering & Land Surveying, Inc.

38 WEST 100 NORTH VERNAL, UTAH 84078

(435) 789-1365

SHEET
4
OF 7



Legend

- Proposed NBU 1022-04HT Well Location

— Existing Access Roads

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

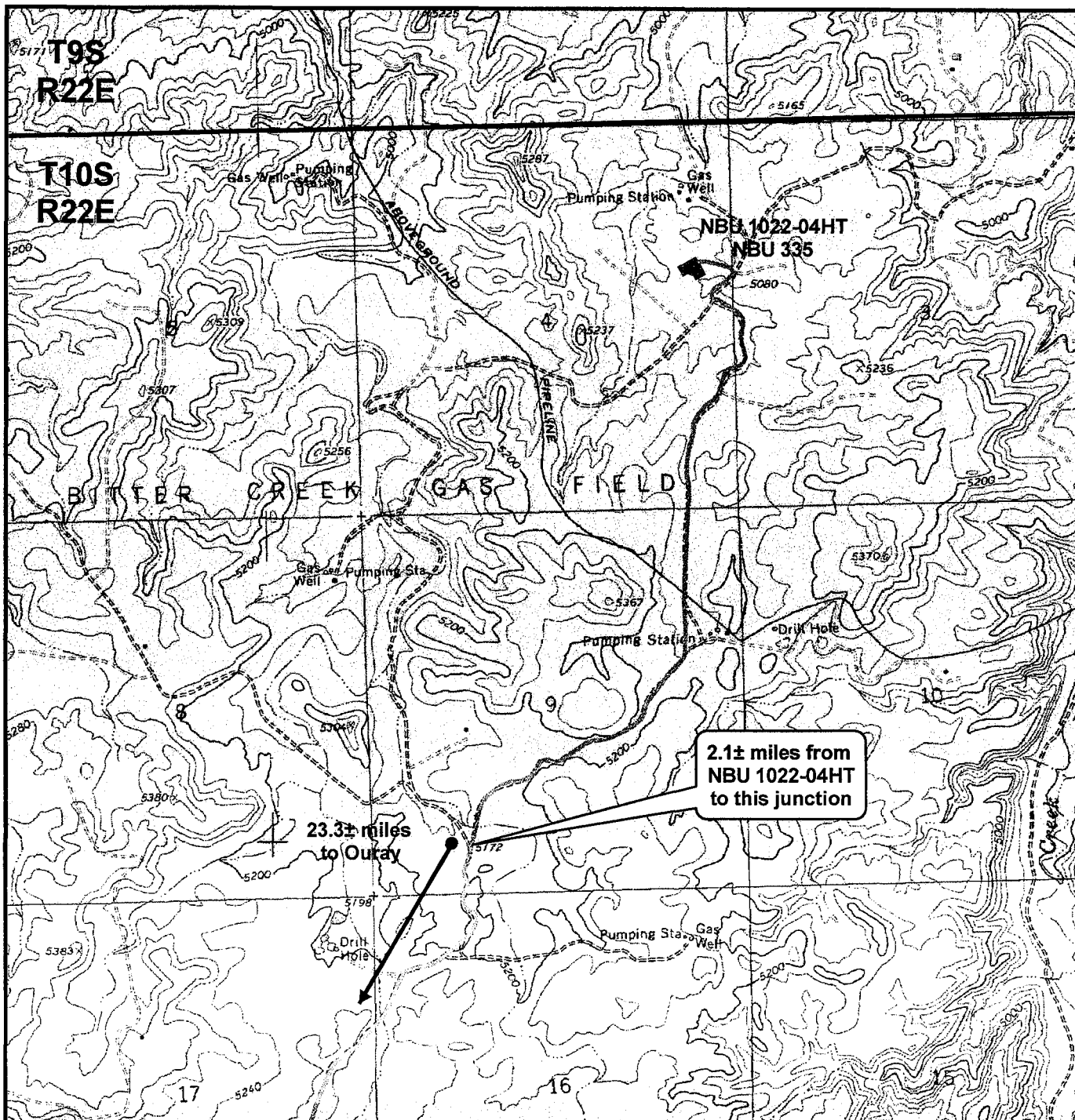
NBU 1022-04HT
Topo A
2015' FNL, 566' FEL
SE 1/4 NE 1/4, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah



CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1:100,000	NAD83 US P Centra	Sheet No:
Drawn: JELo	Date: 6 June 2008	5
Revised:	Date:	5 of 7



Legend

- Proposed NBU 1022-04HT Well Location

— Existing Access Roads

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

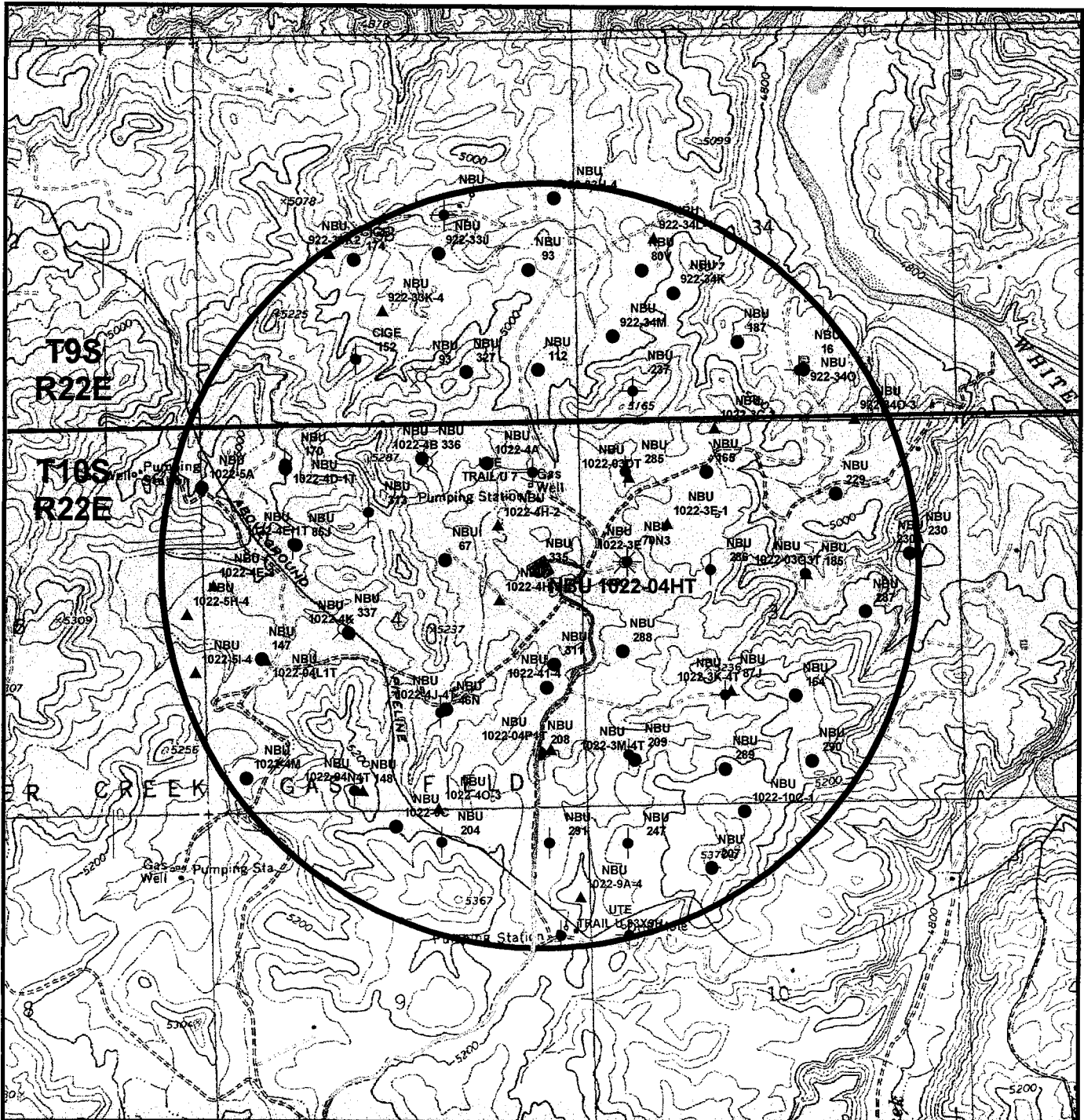
NBU 1022-04HT
Topo B
2015' FNL, 566' FEL
SE ¼ NE ¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah


CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 US P Centra	Sheet No:
Drawn: JELo	Date: 6 June 2008	6
Revised:	Date:	

6 of 7



Legend

- Proposed NBU 1022-04HT Well Location

— Existing Access Roads

- Producing
- ▲ Approved permit (APD); not yet spudded
- ⊗ Location Abandoned
- ⊕ Plugged and Abandoned
- Shut-In

Kerr-McGee Oil & Gas Onshore, LP
1099 18th Street, Suite 1200 - Denver, Colorado 80202

NBU 1022-04HT
Topo C
2015' FNL, 566' FEL
SE¼ NE¼, Section 4, T10S, R22E
S.L.B.&M., Uintah County, Utah

CONSULTING, LLC
371 Coffeen Avenue
Sheridan, WY 82801
Phone (307) 673-0036
Fax (307) 674-0182



Scale: 1" = 2000ft	NAD83 USP Central	Sheet No:
Drawn: JELo	Date: 6 June 2008	7
Revised:	Date:	7 of 7

WORKSHEET
APPLICATION FOR PERMIT TO DRILL

APD RECEIVED: 06/16/2008

API NO. ASSIGNED: 43-047-40151

WELL NAME: NBU 1022-04HT

OPERATOR: KERR-MCGEE OIL & GAS (N2995)

CONTACT: RALEEN WHITE

PHONE NUMBER: 720-929-6666

PROPOSED LOCATION:

SENE 04 100S 220E

SURFACE: 2015 FNL 0566 FEL

BOTTOM: 2015 FNL 0566 FEL

COUNTY: UINTAH

LATITUDE: 39.97968 LONGITUDE: -109.4368

UTM SURF EASTINGS: 633479 NORTHINGS: 4426462

FIELD NAME: NATURAL BUTTES (630)

INSPECT LOCATN BY: / /

Tech Review	Initials	Date
Engineering		
Geology		
Surface		

LEASE TYPE: 1 - Federal

LEASE NUMBER: UTU-01191

SURFACE OWNER: 1 - Federal

PROPOSED FORMATION: MVRD

COALBED METHANE WELL? NO

RECEIVED AND/OR REVIEWED:

☒ Plat

☒ Bond: Fed[1] Ind[] Sta[] Fee[]
(No. WYB-000291)

☒ Potash (Y/N)

☒ Oil Shale 190-5 (B) or 190-3 or 190-13

☒ Water Permit
(No. 43-8496)

☒ RDCC Review (Y/N)
(Date:)

☒ Fee Surf Agreement (Y/N)

☒ Intent to Commingle (Y/N)

LOCATION AND SITING:

 R649-2-3.

Unit: NATURAL BUTTES

 R649-3-2. General

Siting: 460' From Qtr/Qtr & 920' Between Wells

 R649-3-3. Exception

☒ Drilling Unit

Board Cause No: 17314

Eff Date: 12-2-1999

Siting: 460' fr Ubdry & Uncomm. Tract

 R649-3-11. Directional Drill

COMMENTS: Sep. Separate Files

STIPULATIONS: 1- Federal Approval

2- OIL SHALE

United States Department of the Interior

BUREAU OF LAND MANAGEMENT

Utah State Office
P.O. Box 45155
Salt Lake City, Utah 84145-0155

IN REPLY REFER TO:
3160
(UT-922)

June 18, 2008

Memorandum

To: Assistant District Manager Minerals, Vernal District
From: Michael Coulthard, Petroleum Engineer
Subject: 2008 Plan of Development Natural Buttes Unit
Uintah County, Utah.

Pursuant to email between Diana Whitney, Division of Oil, Gas and Mining, and Mickey Coulthard, Utah State Office, Bureau of Land Management, the following wells are planned for calendar year 2008 within the Natural Buttes Unit, Uintah County, Utah.

API #	WELL NAME	LOCATION
-------	-----------	----------

(Proposed PZ MesaVerde)

43-047-40146	NBU 922-29LT	Sec 29 T09S R22E 1978 FSL 0957 FWL
43-047-40147	NBU 922-32AT	Sec 32 T09S R22E 0457 FNL 0113 FEL
43-047-40148	NBU 922-32BT	Sec 32 T09S R22E 0701 FNL 2116 FEL
43-047-40149	NBU 1022-03FT	Sec 03 T10S R22E 2059 FNL 1825 FWL
43-047-40150	NBU 1022-03CT	Sec 03 T10S R22E 0715 FNL 1777 FWL
43-047-40151	NBU 1022-04HT	Sec 04 T10S R22E 2015 FNL 0566 FEL
43-047-40152	NBU 1022-04AT	Sec 04 T10S R22E 0544 FNL 1278 FEL
43-047-40153	NBU 1022-05JT	Sec 05 T10S R22E 2203 FSL 2319 FEL
43-047-40154	NBU 1022-05IT	Sec 05 T10S R22E 2288 FSL 0691 FEL
43-047-40155	NBU 1022-05BT	Sec 05 T10S R22E 1028 FNL 1886 FEL
43-047-40156	NBU 1022-06ET	Sec 06 T10S R22E 2475 FNL 0628 FWL
43-047-40157	NBU 1022-06FT	Sec 06 T10S R22E 2108 FNL 1669 FWL
43-047-40158	NBU 1022-06DT	Sec 06 T10S R22E 0162 FNL 0311 FWL

This office has no objection to permitting the wells at this time.

/s/ Michael L. Coulthard



JON M. HUNTSMAN, JR.
Governor

GARY R. HERBERT
Lieutenant Governor

State of Utah

DEPARTMENT OF NATURAL RESOURCES

MICHAEL R. STYLER
Executive Director

Division of Oil, Gas and Mining

JOHN R. BAZA
Division Director

June 18, 2008

Kerr-McGee Oil & Gas Onshore LP
P O Box 173779
Denver, CO 80217-3779

Re: NBU 1022-04HT Well, 2015' FNL, 566' FEL, SE NE, Sec. 4, T. 10 South, R. 22 East,
Uintah County, Utah

Gentlemen:

Pursuant to the provisions and requirements of Utah Code Ann. § 40-6-1 *et seq.*, Utah Administrative Code R649-3-1 *et seq.*, and the attached Conditions of Approval, approval to drill the referenced well is granted.

This approval shall expire one year from the above date unless substantial and continuous operation is underway, or a request for extension is made prior to the expiration date. The API identification number assigned to this well is 43-047-40151.

Sincerely,

Gil Hunt
Associate Director

pab
Enclosures

cc: Uintah County Assessor
Bureau of Land Management, Vernal Office

Operator: Kerr-McGee Oil & Gas Onshore LP
Well Name & Number NBU 1022-04HT
API Number: 43-047-40151
Lease: UTU-01191

Location: SE NE Sec. 4 T. 10 South R. 22 East

Conditions of Approval

1. General

Compliance with the requirements of Utah Admin. R. 649-1 *et seq.*, the Oil and Gas Conservation General Rules, and the applicable terms and provisions of the approved Application for permit to drill.

2. Notification Requirements

Notify the Division within 24 hours of spudding the well.

- Contact Carol Daniels at (801) 538-5284.

Notify the Division prior to commencing operations to plug and abandon the well.

- Contact Dustin Doucet at (801) 538-5281 office (801) 733-0983 home

3. Reporting Requirements

All required reports, forms and submittals will be promptly filed with the Division, including but not limited to the Entity Action Form (Form 6), Report of Water Encountered During Drilling (Form 7), Weekly Progress Reports for drilling and completion operations, and Sundry Notices and Reports on Wells requesting approval of change of plans or other operational actions.

4. State approval of this well does not supersede the required federal approval, which must be obtained prior to drilling.

5. In accordance with Order in Cause No. 190-5(b) dated October 28, 1982, the Operator shall comply with requirements of Rules R649-3-31 and R649-3-27 pertaining to Designated Oil Shale Areas. Additionally, the operator shall ensure that the surface and/or production casing is properly cemented over the entire oil shale interval as defined by Rule R649-3-31. The Operator shall report the actual depth the oil shale is encountered to the Division.

RECEIVED
VERNAL FIELD OFFICE

Form 3160-3
(August 1999)

2008 JUN 13 PM 10 19

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0136
Expires November 30, 2000

APPLICATION FOR PERMIT TO DRILL OR REENTER

1a. Type of Work: <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER			5. Lease Serial No. UTU-01191	
b. Type of Well: <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other <input type="checkbox"/> Single Zone <input checked="" type="checkbox"/> Multiple Zone			6. If Indian, Allottee or Tribe Name	
2. Name of Operator KERR-MCGEE OIL & GAS ONSHORE LP			7. If Unit or CA Agreement, Name and No. UNIT #891008900A	
3A. Address PO BOX 173779, DENVER, CO 80123		3b. Phone No. (include area code) (720) 929-6666	8. Lease Name and Well No. NBU 1022-04HT	
4. Location of Well (Report location clearly and in accordance with any State requirements. *) At surface SENE - 2015' FNL, 566' FEL At proposed prod. Zone			9. API Well No. 43 047 40151	
14. Distance in miles and direction from nearest town or post office* 26 +/- MILES SOUTH EAST OF OURAY, UTAH			10. Field and Pool, or Exploratory NATURAL BUTTES	
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig. unit line, if any) 566'			11. Sec., T., R., M., or Blk. and Survey or Area SEC 4-T10S-R22E	
16. No. of Acres in lease 1041.78			12. County or Parish UINTAH	
17. Spacing Unit dedicated to this well 40			13. State UT	
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. REFER TO TOPO C		19. Proposed Depth 8900	20. BLM/BIA Bond No. on file WYB-000291	
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 5069 GR		22. Approximate date work will start* UPON APPROVAL	23. Estimated duration TO BE DETERMINED	

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1, shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by an existing bond on file (see Item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/or plans as may be required by the authorized office. |

25. Signature <i>Raleen White</i>	Name (Printed/Typed) RALEEN WHITE	Date 6/13/2008
--------------------------------------	--------------------------------------	-------------------

Title
SR. REGULATORY ANALYST

Approved by (Signature) <i>[Signature]</i>	Name (Printed/Typed) JERRY KAVELA	Date NOV 19 2008
---	--------------------------------------	---------------------

Title Assistant Field Manager Lands & Mineral Resources	Office VERNAL FIELD OFFICE
---	-------------------------------

Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Conditions of approval, if any, are attached.

CONDITIONS OF APPROVAL ATTACHED

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*(Instructions on reverse)

~~NOT~~ and posted 6/25/08

NOTICE OF APPROVAL

RECEIVED

NOV 24 2008

AFMSS# 06 PPO927A

DIV. OF OIL, GAS & MINING

UDOGM



UNITED STATES DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
VERNAL FIELD OFFICE

170 South 500 East

VERNAL, UT 84078

(435) 781-4400



CONDITIONS OF APPROVAL FOR APPLICATION FOR PERMIT TO DRILL

Company: Kerr McGee Oil & Gas Onshore, LP
Well No: NBU 1022-04HT
API No: 43-047-40151

Location: SENE, Sec.4, T10S, R22E
Lease No: UTU-01191
Agreement: Natural Buttes Unit

Title	Name	Office Phone Number	Cell Phone Number
Petroleum Engineer:	Matt Baker	(435) 781-4490	(435) 828-4470
Petroleum Engineer:	Michael Lee	(435) 781-4432	(435) 828-7875
Petroleum Engineer:	Ryan Angus	(435) 781-4430	(435) 828-7368
Supervisory Petroleum Technician:	Jamie Sparger	(435) 781-4502	(435) 828-3913
Supervisory NRS:	Karl Wright	(435) 781-4484	
NRS/Enviro Scientist:	Holly Villa	(435) 781-4404	(435) 828-3544
NRS/Enviro Scientist:	James Hereford	(435) 781-3412	(435) 828-3546
NRS/Enviro Scientist:	Chuck Macdonald	(435) 781-4441	(435) 828-7481
NRS/Enviro Scientist:	Dan Emmett	(435) 781-3414	(435) 828-4029
NRS/Enviro Scientist:	Paul Percival	(435) 781-4493	(435) 828-7381
NRS/Enviro Scientist:	Anna Figueroa	(435) 781-3407	(435) 828-3548
NRS/Enviro Scientist:	Verlyn Pindell	(435) 781-3402	(435) 828-3547
NRS/Enviro Scientist:	Nathan Packer	(435) 781-3405	(435) 828-3545
NRS/Enviro Scientist:	David Gordon	(435) 781-4424	

Fax: (435) 781-3420

**A COPY OF THESE CONDITIONS SHALL BE FURNISHED TO YOUR
FIELD REPRESENTATIVE TO INSURE COMPLIANCE**

All lease and/or unit operations are to be conducted in such a manner that full compliance is made with the applicable laws, regulations (43 CFR Part 3160), and this approved Application for Permit to Drill including Surface and Downhole Conditions of Approval. The operator is considered fully responsible for the actions of his subcontractors. A copy of the approved APD must be on location during construction, drilling, and completion operations. **This permit is approved for a two (2) year period, or until lease expiration, whichever occurs first. An additional extension, up to two (2) years, may be applied for by sundry notice prior to expiration.**

NOTIFICATION REQUIREMENTS

Location Construction (Notify Environmental Scientist)	-	Forty-Eight (48) hours prior to construction of location and access roads.
Location Completion (Notify Environmental Scientist)	-	Prior to moving on the drilling rig.
Spud Notice (Notify Petroleum Engineer)	-	Twenty-Four (24) hours prior to spudding the well.
Casing String & Cementing (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to running casing and cementing all casing strings.
BOP & Related Equipment Tests (Notify Supv. Petroleum Tech.)	-	Twenty-Four (24) hours prior to initiating pressure tests.
First Production Notice (Notify Petroleum Engineer)	-	Within Five (5) business days after new well begins or production resumes after well has been off production for more than ninety (90) days.

***SURFACE USE PROGRAM
CONDITIONS OF APPROVAL (COAs)***

- If there is an active Gilsonite mining operation within 2 miles of the well location, operator shall notify the Gilsonite operator at least 48 hours prior to any blasting during construction.
- If paleontological materials are uncovered during construction, the operator is to immediately stop work and contact the Authorized Officer (AO). A determination will be made by the AO as to what mitigation may be necessary for the discovered paleontologic material before construction can continue.

SITE SPECIFIC COAs:

None

DOWNHOLE PROGRAM CONDITIONS OF APPROVAL (COAs)

SITE SPECIFIC DOWNHOLE COAs:

- A copy of Kerr McGee's Standard Operating Practices (dated 7/17/08 and approved 7/28/08) shall be on location.
- Kerr McGee and their contractors shall strictly adhere to all operating practices in the SOP along with all Oil and Gas rules and requirements listed in the Code of Federal Regulations and all Federal Onshore Oil and Gas Orders except where variances have been granted.

All provisions outlined in Onshore Oil & Gas Order #2 Drilling Operations shall be strictly adhered to. The following items are emphasized:

DRILLING/COMPLETION/PRODUCING OPERATING STANDARDS

- The spud date and time shall be reported orally to Vernal Field Office within 24 hours of spudding.
- Notify Vernal Field Office Supervisory Petroleum Engineering Technician at least 24 hours in advance of casing cementing operations and BOPE & casing pressure tests.
- All requirements listed in Onshore Order #2 III. E. Special Drilling Operations are applicable for air drilling of surface hole.
- Blowout prevention equipment (BOPE) shall remain in use until the well is completed or abandoned. Closing unit controls shall remain unobstructed and readily accessible at all times. Choke manifolds shall be located outside of the rig substructure.
- All BOPE components shall be inspected daily and those inspections shall be recorded in the daily drilling report. Components shall be operated and tested as required by Onshore Oil & Gas Order No. 2 to insure good mechanical working order. All BOPE pressure tests shall be performed by a test pump with a chart recorder and **NOT** by the rig pumps. Test shall be reported in the driller's log.
- BOP drills shall be initially conducted by each drilling crew within 24 hours of drilling out from under the surface casing and weekly thereafter as specified in Onshore Oil & Gas Order No. 2.
- Casing pressure tests are required before drilling out from under all casing strings set and cemented in place.
- No aggressive/fresh hard-banded drill pipe shall be used within casing.
- **Cement baskets shall not be run on surface casing.**
- The operator must report all shows of water or water-bearing sands to the BLM. If flowing water is encountered it must be sampled, analyzed, and a copy of the analyses submitted to the BLM Vernal Field Office.

- The operator must report encounters of all non oil & gas mineral resources (such as Gilsonite, tar sands, oil shale, trona, etc.) to the Vernal Field Office, in writing, within 5 working days of each encounter. Each report shall include the well name/number, well location, date and depth (from KB or GL) of encounter, vertical footage of the encounter and, the name of the person making the report (along with a telephone number) should the BLM need to obtain additional information.
- A complete set of angular deviation and directional surveys of a directional well will be submitted to the Vernal BLM office engineer within 30 days of the completion of the well.
- While actively drilling, chronologic drilling progress reports shall be filed directly with the BLM, Vernal Field Office on a weekly basis in sundry, letter format or e-mail to the Petroleum Engineers until the well is completed.
- A cement bond log (CBL) will be run from the production casing shoe to the top of cement and shall be utilized to determine the bond quality for the production casing. Submit a field copy of the CBL to this office.
- **Please submit an electronic copy of all other logs run on this well in LAS format to UT_VN_Welllogs@BLM.gov. This submission will supersede the requirement for submittal of paper logs to the BLM.**
- There shall be no deviation from the proposed drilling, completion, and/or workover program as approved. Safe drilling and operating practices must be observed. Any changes in operation must have prior approval from the BLM Vernal Field Office.

OPERATING REQUIREMENT REMINDERS:

- All wells, whether drilling, producing, suspended, or abandoned, shall be identified in accordance with 43 CFR 3162.6. There shall be a sign or marker with the name of the operator, lease serial number, well number, and surveyed description of the well.
- In accordance with 43 CFR 3162.4-3, this well shall be reported on the "Monthly Report of Operations" (Oil and Gas Operations Report ((OGOR)) starting with the month in which operations commence and continue each month until the well is physically plugged and abandoned. This report shall be filed in duplicate, directly with the Minerals Management Service, P.O. Box 17110, Denver, Colorado 80217-0110, or call 1-800-525-7922 (303) 231-3650 for reporting information.
- Should the well be successfully completed for production, the BLM Vernal Field office must be notified when it is placed in a producing status. Such notification will be by written communication and must be received in this office by not later than the fifth business day following the date on which the well is placed on production. The notification shall provide, as a minimum, the following informational items:
 - Operator name, address, and telephone number.
 - Well name and number.
 - Well location (¼¼, Sec., Twn, Rng, and P.M.).
 - Date well was placed in a producing status (date of first production for which royalty will be paid).
 - The nature of the well's production, (i.e., crude oil, or crude oil and casing head gas, or natural gas and entrained liquid hydrocarbons).
 - The Federal or Indian lease prefix and number on which the well is located; otherwise the non-Federal or non-Indian land category, i.e., State or private.
 - Unit agreement and/or participating area name and number, if applicable.
 - Communitization agreement number, if applicable.
- Any venting or flaring of gas shall be done in accordance with Notice to Lessees (NTL) 4A and needs prior approval from the BLM Vernal Field Office.
- All undesirable events (fires, accidents, blowouts, spills, discharges) as specified in NTL 3A will be reported to the BLM, Vernal Field Office. Major events, as defined in NTL3A, shall be reported verbally within 24 hours, followed by a written report within 15 days. "Other than Major Events" will be reported in writing within 15 days. "Minor Events" will be reported on the Monthly Report of Operations and Production.
- Whether the well is completed as a dry hole or as a producer, "Well Completion and Recompletion Report and Log" (BLM Form 3160-4) shall be submitted not later than 30 days after completion of the well or after completion of operations being performed, in accordance with 43 CFR 3162.4-1. Two copies of all logs run, core descriptions, and all other surveys or

data obtained and compiled during the drilling, workover, and/or completion operations, shall be filed on BLM Form 3160-4. Submit with the well completion report a geologic report including, at a minimum, formation tops, and a summary and conclusions. Also include deviation surveys, sample descriptions, strip logs, core data, drill stem test data, and results of production tests if performed. Samples (cuttings, fluid, and/or gas) shall be submitted only when requested by the BLM, Vernal Field Office.

- All off-lease storage, off-lease measurement, or commingling on-lease or off-lease, shall have prior written approval from the BLM Vernal Field Office.
- Oil and gas meters shall be calibrated in place prior to any deliveries. The BLM Vernal Field Office Petroleum Engineers will be provided with a date and time for the initial meter calibration and all future meter proving schedules. A copy of the meter calibration reports shall be submitted to the BLM Vernal Field Office. All measurement facilities will conform to the API standards for liquid hydrocarbons and the AGA standards for natural gas measurement. All measurement points shall be identified as the point of sale or allocation for royalty purposes.
- A schematic facilities diagram as required by Onshore Oil & Gas Order No. 3 shall be submitted to the BLM Vernal Field Office within 30 days of installation or first production, whichever occurs first. All site security regulations as specified in Onshore Oil & Gas Order No. 3 shall be adhered to. All product lines entering and leaving hydrocarbon storage tanks will be effectively sealed in accordance with Onshore Oil & Gas Order No. 3.
- Any additional construction, reconstruction, or alterations of facilities, including roads, gathering lines, batteries, etc., which will result in the disturbance of new ground, shall require the filing of a suitable plan and need prior approval of the BLM Vernal Field Office. Emergency approval may be obtained orally, but such approval does not waive the written report requirement.
- No location shall be constructed or moved, no well shall be plugged, and no drilling or workover equipment shall be removed from a well to be placed in a suspended status without prior approval of the BLM Vernal Field Office. If operations are to be suspended for more than 30 days, prior approval of the BLM Vernal Field Office shall be obtained and notification given before resumption of operations.
- Pursuant to Onshore Oil & Gas Order No. 7, this is authorization for pit disposal of water produced from this well for a period of 90 days from the date of initial production. A permanent disposal method must be approved by this office and in operation prior to the end of this 90-day period. In order to meet this deadline, an application for the proposed permanent disposal method shall be submitted along with any necessary water analyses, as soon as possible, but no later than 45 days after the date of first production. Any method of disposal which has not been approved prior to the end of the authorized 90-day period will be considered as an Incident of Noncompliance and will be grounds for issuing a shut-in order until an acceptable manner for disposing of said water is provided and approved by this office.
- Unless the plugging is to take place immediately upon receipt of oral approval, the Field Office Petroleum Engineers must be notified at least 24 hours in advance of the plugging of the well, in order that a representative may witness plugging operations. If a well is suspended or abandoned, all pits must be fenced immediately until they are backfilled. The "Subsequent Report of Abandonment" (Form BLM 3160-5) must be submitted within 30 days after the actual plugging of the well bore, showing location of plugs, amount of cement in each, and amount of casing left in hole, and the current status of the surface restoration.

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB NO. 1004-0135
Expires: July 31, 2010

SUNDRY NOTICES AND REPORTS ON WELLS
Do not use this form for proposals to drill or to re-enter an abandoned well. Use form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE - Other instructions on reverse side.

1. Type of Well <input type="checkbox"/> Oil Well <input checked="" type="checkbox"/> Gas Well <input type="checkbox"/> Other		5. Lease Serial No. UTU01191
2. Name of Operator KERR-MCGEE OIL&GAS ONSHORE LP Contact: KATHY SCHNEEBECK DULNOAN Email: kathy.schneebeckdulnoan@anadarko.com		6. If Indian, Allottee or Tribe Name
3a. Address PO BOX 173779 DENVER, CO 80123	3b. Phone No. (include area code) Ph: 720-929-6007 Fx: 720-929-7007	7. If Unit or CA/Agreement, Name and/or No. 891008900A
4. Location of Well (Footage, Sec., T., R., M., or Survey Description) Sec 4 T10S R22E SENE 2015FNL 566FEL 39.97968 N Lat, 109.43681 W Lon		8. Well Name and No. NBU 1022-04HT
		9. API Well No. 43-047-40151
		10. Field and Pool, or Exploratory NATURAL BUTTES
		11. County or Parish, and State UINTAH COUNTY, UT

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input checked="" type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input checked="" type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	Change to Original A
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	PD

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

Kerr-McGee Oil & Gas Onshore LP (KMG) respectfully requests a change to the surface location of this well to accomodate the new drilling rigs.

The surface location is changing
FROM: 2015' FNL 566' FEL
TO: 2034' FNL 601' FEL

633469X 39.979633
4426457Y -109.436932

COPY SENT TO OPERATOR

Date: 4.14.2009

Initials: KS

Please see the attached revised survey plats and interference diagram reflecting this change in surface location. All other information remains the same, including the amount of disturbance.

If you have any questions, please contact the undersigned. Thank you.

**Federal Approval of this
Action Is Necessary**

14. I hereby certify that the foregoing is true and correct. Electronic Submission #68670 verified by the BLM Well Information System For KERR-MCGEE OIL&GAS ONSHORE LP, sent to the Vernal	
Name (Printed/Typed) KATHY SCHNEEBECK DULNOAN	Title STAFF REGULATORY ANALYST
Signature <i>Kathy Schneebeck Dulnoan</i> (Electronic Submission)	Date 04/03/2009

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved By <i>[Signature]</i>	Title BRADLEY G. HILL	Date 040909
Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Office ENVIRONMENTAL MANAGER		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

**** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ** OPERATOR-SUBMITTED ****

RECEIVED

APR 09 2009

DIV. OF OIL, GAS & MINING

T10S, R22E, S.L.B.&M.

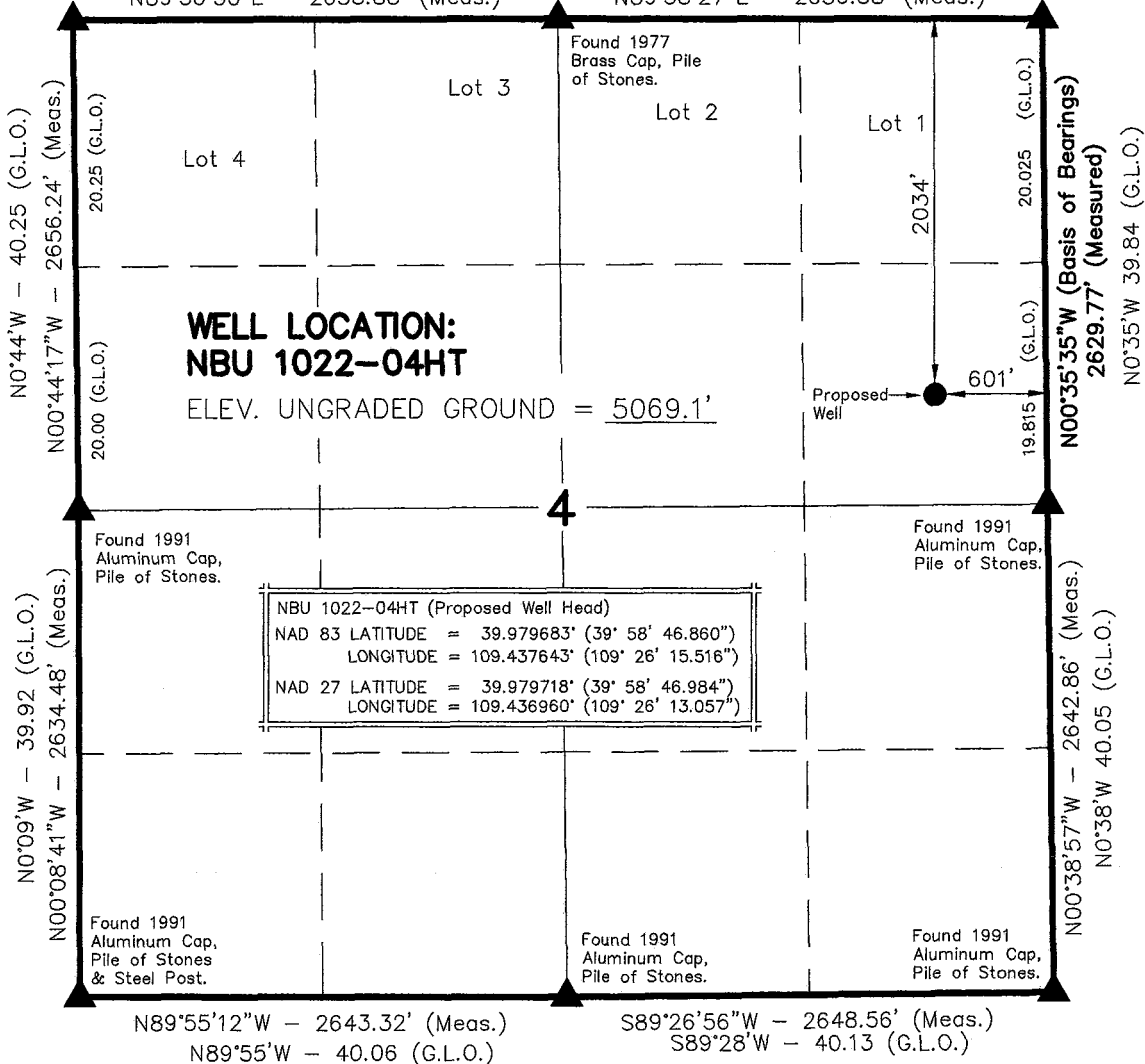
Found 1977
Brass Cap, Pile
of Stones.

N89°56'E - 79.92 (G.L.O.)

Found 1977
Brass Cap, Pile
of Stones.

N89°56'50"E - 2638.88' (Meas.)

N89°58'27"E - 2636.58' (Meas.)



**WELL LOCATION:
NBU 1022-04HT**

ELEV. UNGRADED GROUND = 5069.1'

NBU 1022-04HT (Proposed Well Head)
NAD 83 LATITUDE = 39.979683' (39° 58' 46.860")
LONGITUDE = 109.437643' (109° 26' 15.516")
NAD 27 LATITUDE = 39.979718' (39° 58' 46.984")
LONGITUDE = 109.436960' (109° 26' 13.057")

NOTES:

- ▲ = Section Corners Located
- 1. Well footages are measured at right angles to the Section Lines.
- 2. G.L.O. distances are shown in feet or chains. 1 chain = 66 feet.
- 3. Bearings are based on Global Positioning Satellite observations.
- 4. Basis of elevation is Tri-Sta "Two Water" located in the NW ¼ of Section 1, T10S, R21E, S.L.B.&M. The elevation of this Tri-Sta is shown on the Big Pack Mtn NE 7.5 Min. Quadrangle as being 5238'.

**Kerr-McGee
Oil & Gas Onshore, LP**

1099 18th Street, Suite 1200 - Denver, Colorado 80202

**NBU 1022-04HT
WELL PLAT
2034' FNL, 601' FEL
SE ¼ NE ¼ OF SECTION 4, T10S, R22E,
S.L.B.&M. UTAH COUNTY, UTAH.**

CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182



SCALE

SURVEYOR'S CERTIFICATE

THIS IS TO CERTIFY THAT THE ABOVE PLAT WAS PREPARED FROM FIELD NOTES OF LAND SURVEYS MADE BY ME OR UNDER MY SUPERVISION AND THAT THE SAME ARE TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF.

No. 362251
KOLBY R. KAY
REGISTERED LAND SURVEYOR
REGISTRATION STATE OF UTAH

TIMBERLINE

(435) 789-1365

ENGINEERING & LAND SURVEYING, INC.

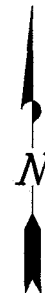
209 NORTH 300 WEST - VERNAL, UTAH 84078

DATE SURVEYED: 5-31-08	SURVEYED BY: B.J.S.	SHEET 2 OF 7
DATE DRAWN: 6-2-08	DRAWN BY: M.W.W.	
SCALE: 1" = 1000'	Date Last Revised: 03-18-09	

WELL PAD INTERFERENCE PLAT

NBU 1022-04HT

BASIS OF BEARINGS IS THE EAST
LINE OF THE NE 1/4 OF SECTION
4, T10S, R22E, S.L.B.&M. WHICH IS
TAKEN FROM GLOBAL POSITIONING
SATELLITE OBSERVATIONS TO BEAR
N00°35'35"W.



LATITUDE & LONGITUDE

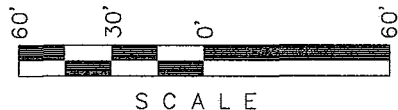
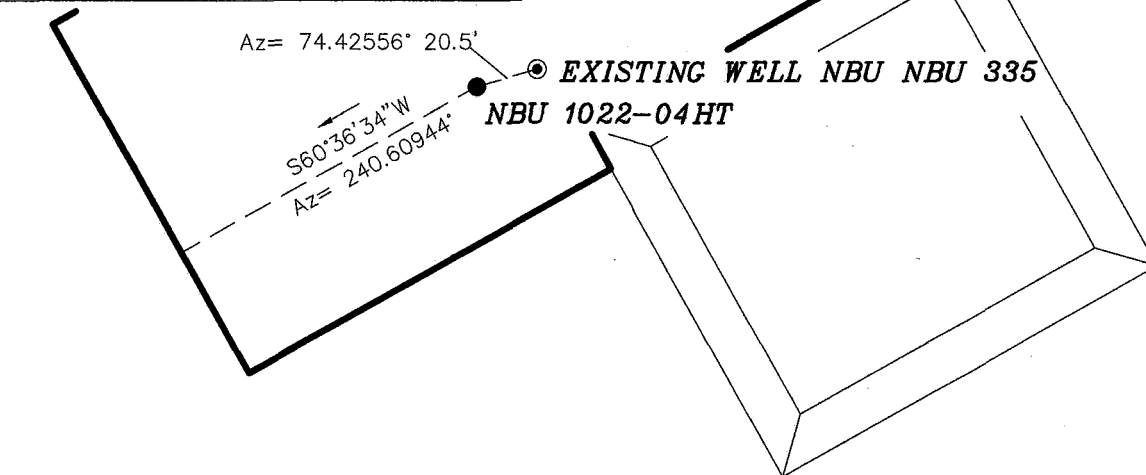
Surface Position - (NAD 83)

WELL	N. LATITUDE	W. LONGITUDE
1022-04HT	39°58'46.860" 39.979683°	109°26'15.516" 109.437643°
Existing Well NBU 335	39°58'46.915" 39.979699°	109°26'15.262" 109.437573°

LATITUDE & LONGITUDE

Surface Position - (NAD 27)

WELL	N. LATITUDE	W. LONGITUDE
1022-04HT	39°58'46.984" 39.979718°	109°26'13.057" 109.436960°
Existing Well NBU 335	39°58'47.040" 39.979733°	109°26'12.803" 109.436890°



Kerr-McGee
Oil & Gas Onshore, LP
1099 18th Street - Denver, Colorado 80202

NBU 1022-04HT
LOCATED IN SECTION 4, T10S, R22E,
S.L.B.&M. UINTAH COUNTY, UTAH.



CONSULTING, LLC
371 Coffeen Avenue
Sheridan WY 82801
Phone 307-674-0609
Fax 307-674-0182

SURFACE FOOTAGES:

NBU 1022-04HT
2034' FNL & 601' FEL

NBU 335 (Existing Well Head)
2029' FNL & 582' FEL

DATE SURVEYED: 05-31-08	SURVEYED BY: B.J.S.
DATE DRAWN: 11-18-08	DRAWN BY: M.W.W.
	REVISED: 03-18-09

Timberline (435) 789-1365
Engineering & Land Surveying, Inc.
209 NORTH 300 WEST VERNAL, UTAH 84078

SHEET
2b
OF 7

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-04HT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FNL 0601 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 04 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401510000
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/7/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PROPETRO AIR RIG ON 05/02/2009. DRILLED 12 1/4" SURFACE HOLE TO 2260'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS DROP PLUG ON FLY DISPLACE W/160 BBLs OF 8.3# WATER 140 PSI LIFT @3 BBLs/MIN BUMP PLUG HOLE 800 PSI. FLOAT NOT HOLDING HOLD 500 PSI NO CMT TO SURFACE. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO CMT TO SURFACE TOP OUT W/17S SX PREM CLASS G @15.8 PPG 1.15 YIELD. 2 BBLs OF CMT TO SURFACE HOLE STAYED FULL. WORT.		
<div style="display: flex; justify-content: space-between;"> <div> NAME (PLEASE PRINT) Sheila Upchego </div> <div> PHONE NUMBER 435 781-7024 </div> <div> TITLE Regulatory Analyst </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div> SIGNATURE N/A </div> <div> DATE 5/8/2009 </div> </div>		

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-04HT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FNL 0601 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 04 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401510000
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 6/3/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc.		
FINISHED DRILLING FROM 2260' TO 8815' ON 06/02/2009. RAN 4 1/2" 11.6# I-80 PRODUCTION CSG. LEAD CMT W/650 SX PREM LITE II @12.7 PPG 1.89 YIELD. TAILED CMT W/1370 SX 50/50 POZ @14.3 PPG 1.31 YIELD. FLUSH LINES & DROP PLUG DISPLACE W/136.2 BBLS WATER W/CLAY TREATMENT + 1 GAL MAGNACIDE & CORR INHIBITOR. LOST RETURNS 60 BBL INTO DISPLACEMENT BUMP PLUG W/3129 PSI PLUG HELD ORIGINAL PUMP 2640 PSI 489 OVER PSI NO CMT BACK TO SURFACE 1.5 BBLS BLEED OFF FLUSHED STACK & SET MANDREL W/50K STRING WT. NIPPLE DOWN BOP CLEAN MUD PITS. RELEASED PIONEER RIG 69 ON 06/03/2009 AT 1000 HRS.		
<div style="text-align: right;"> Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY June 04, 2009 </div>		
NAME (PLEASE PRINT) Sheila Upchego	PHONE NUMBER 435 781-7024	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 6/4/2009	

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-04HT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FNL 0601 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 04 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401510000
PHONE NUMBER: 720 929-6007 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: Uintah		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 10/16/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input checked="" type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. THE SUBJECT WELL WAS PLACED ON PRODUCTION ON 10/16/2009 AT 10:00 A.M. PLEASE REFER TO THE ATTACHED CHRONOLOGICAL WELL HISTORY.		
Accepted by the Utah Division of Oil, Gas and Mining FOR RECORD ONLY October 20, 2009		
NAME (PLEASE PRINT) Andy Lytle	PHONE NUMBER 720 929-6100	TITLE Regulatory Analyst
SIGNATURE N/A	DATE 10/19/2009	

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-4HT Spud Conductor: 4/25/2009 Spud Date: 5/2/2009
 Project: UTAH-UINTAH Site: NBU 1022-4HT Rig Name No: PIONEER 69/69, PROPETRO/
 Event: DRILLING Start Date: 5/2/2009 End Date: 6/3/2009
 Active Datum: RKB @5,087.00ft (above Mean Sea Level) UWI: NBU 1022-4HT

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
5/2/2009	14:30 - 23:30	9.00	DRLSUR	02	A	P		MOVE IN AND RIG UP AIR RIG SPUD WELL @ 1430 HR 5/2/09 PREP TO SURVEY 540'
	23:30 - 0:00	0.50	DRLSUR	10	A	P		SURVEY @ 500' .9 DEG. 18.5 AZI RIH TO DA AT REPORT TIME
5/3/2009	0:00 - 12:00	12.00	DRLSUR	02	A	P		RIG DRILLING AHEAD W/ AIR MIST NO WATER 1170'
	12:00 - 22:00	10.00	DRLSUR	02	A	P		RIG DRILL TO 1380' HIT TRONA WATER PREP TO TFNB
	22:00 - 23:30	1.50	DRLSUR	06	A	P		TRIP DP OUT OF HOLE LAY DOWN HAMMER RIH W/ TRI CONE
	23:30 - 0:00	0.50	DRLSUR	10	A	P		RUN SURVEY @ 1320' .5 DEG 94.7 AZI 5.471 SEP. FACTOR
5/4/2009	0:00 - 3:00	3.00	DRLSUR	06	A	P		TRIP FOR TRICONE BIT.
	3:00 - 21:30	18.50	DRLSUR	02	A	P		DRILL 1380'- 1710' WATER 1380', NO CIRC W/ SKID PUMP, CLEAN HOLE W/ BOOSTER.
	21:30 - 22:00	0.50	DRLSUR	10	B	P		SURVEY W/ MULTISHOT WIRELINE TOOL, SURVEY 1650'= .8 DEG 247.5 AZI SF= 4.540 32' CENTER TO CENTER
	22:00 - 0:00	2.00	DRLSUR	02	A	P		DRILL 1710'-1800' CIRC W/ SKID PUMP W/ NO RETURNS. CLEAN HOLE W/ BOOSTER
5/5/2009	0:00 - 3:30	3.50	DRLSUR	02	A	P		DRILL 1800'- 1860' CIRC W/ SKID PUMP W/ NO RETURNS. CLEAN HOLE W/ AIR BOOSTER.
	3:30 - 8:00	4.50	DRLSUR	08	A	Z		REPLACE BURNT WIRE AND HOSES AND SAFE GUARD WIRES.
	8:00 - 10:00	2.00	DRLSUR	02	A	P		DRILL 1860'- 1885'. CIRC W/ SKID PUMP W/ NO RETURNS. CLEAN HOLE W/ AIR BOOSTER.
	10:00 - 15:30	5.50	DRLSUR	08	A	Z		TURBO PROBLEM ON ENGINE, REPLACE TURBO.
	15:30 - 0:00	8.50	DRLSUR	02	A	P		DRILL 1885'- 2040'. CIRC W/ SKID PUMP W/ NO RETURNS. CLEAN HOLE W/ AIR BOOSTER.
5/6/2009	0:00 - 7:30	7.50	DRLSUR	02	A	P		DRILL F 1980'- 2040'. CIRC W/ SKID PUMP W/ NO RETURNS, CLEAN HOLE W/ BOOSTER
	7:30 - 16:30	9.00	DRLSUR	08	A	Z		LDDS AND CHANGE RIG #9 FOR RIG #8, P/U DS
	16:30 - 0:00	7.50	DRLSUR	02	A	P		DRILL F 2040'- 2130' CIRC W/ SKID PUMP W/ NO RETURNS AND CLEAN HOLE W/ BOOSTER.
5/7/2009	0:00 - 9:30	9.50	DRLSUR	02	A	P		DRILL 2100'-2260', TD 09:30 5/7/2009, CIRC W/ SKID PUMP W/ NO RETURNS. CLEAN HOLE W/ BOOSTER.
	9:30 - 10:30	1.00	CSG	05	F	P		CLEAN HOLE AND PUMP RESERVE PIT DOWN.
	10:30 - 11:00	0.50	DRLSUR	10	B	P		SURVEY W/ MULTI SHOT WIRELINE TOOL 2190'= 1.3 DEG 202.2 AZI. SEP FACTOR 4.5 42' CENTER TO CENTER
	11:00 - 14:30	3.50	CSG	06	D	P		LAY DOWN DRILL STRING.
	14:30 - 17:00	2.50	CSG	12	C	P		RUN 51 JTS OF 9 5/8" 36# J-55 8 RD CSG TO 2220.90 GL. FLOAT COLLAR @ 2175.5 GL. NO TIGHT HOLE
	17:00 - 17:30	0.50	CSG	01	E	P		RIG DOWN RIG AND RELEASE RIG 5/7/2009 17:30
	17:30 - 18:30	1.00	CSG	12	E	P		PUMP FLUSH 160 BBLs OF 8.3# H2O, PUMP 20 BBLs OF GEL WATER, PUMP 350 SX (71.6 BBLs) OF 15.8#, 1.15 YD, 5 GAL/SK OF 2% CALC PREMIUM CEMENT W/ NO RETURNS. DROP PLUG ON FLY, DISPLACE W/ 167 BBLs OF 8.3# WATER, 140 PSI LIFT @ 3 BBLs/MIN, BUMP PLUG. HOLE 800 PSI. FLOAT NOT HOLDING, HOLD 500 PSI. NO CEMENT TO SURFACE

RECEIVED October 19, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4HT		Spud Conductor: 4/25/2009		Spud Date: 5/2/2009	
Project: UTAH-UINTAH		Site: NBU 1022-4HT			Rig Name No: PIONEER 69/69, PROPETRO/
Event: DRILLING		Start Date: 5/2/2009		End Date: 6/3/2009	
Active Datum: RKB @5,087.00ft (above Mean Sea Level)			UWI: NBU 1022-4HT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	18:30 - 20:30	2.00	CSG	12	E	P		INITIAL TOP OUT OF 100 SX (20.4 BBLS) 15.8#, 1.15 YD, 5 GAL/SK W/ 4% CALC. NO CEMENT TO SURFACE.
	20:30 - 21:00	0.50	CSG	12	E	P		TOP OUT W/ 175 SX (35.8 BBLS) 15.8#, 1.15 YD, 5 GAL/SK W/ 4% CALC. 2 BBLS OF CEMENT TO SURFACE AND STAYED.
5/27/2009	8:00 - 0:00	16.00	DRLPRO	01	A	P		MOVE RIG TO NBU 1022-04HT, RAISE DRK, SCOPE SUB & DERRICK. RIGGING UP. WESTROCK RELEASED @ 1900, 4 BED, 3 HAUL, 1 FORKLIFT, 5 SWAMPERS, 1 PUSHER. J & C ENTERPRISE RELEASED @ 18:30 1 OPERATOR, 2 SWAMPERS. MOUNTAIN WEST RELEASED @ 18:00 2 HANDS.
5/28/2009	0:00 - 7:00	7.00	DRLPRO	01	B	P		RIGGING UP
	7:00 - 12:00	5.00	DRLPRO	14	A	P		NIPPLE UP BOP, CHOKE, ETC
	12:00 - 16:30	4.50	DRLPRO	15	A	P		HELD SAFETY MEETING W/ B&C QUICKTEST. RIG UP EQUIPMENT & TEST PIPE RAMS, BLIND RAMS, CHOKE & ALL FLOOR RELATED VALVES F/ 250 PSI LOW TO 5000 PSI HIGH. TEST HYDRILL F/ 250 PSI LOW TO 2500 PSI HIGH. TEST CSG TO 1500 PSI & HOLD 30 MIN.
	16:30 - 18:00	1.50	DRLPRO	09	A	P		SLIP & CUT DRLG LINE, INSTALL WEAR BUSHING
	18:00 - 23:00	5.00	DRLPRO	06	A	P		HELD SAFETY MEETING W/ KIMZEY, RIG UP EQUIPMENT, PICK UP BHA, DIRECTIONAL TOOLS & 47 JTS DP TO 2070' RIG DOWN.
	23:00 - 0:00	1.00	DRLPRO	14	B	P		INSTALL ROTATING HEAD & DO PRE SPUD RIG INSPECTION
5/29/2009	0:00 - 2:30	2.50	DRLPRO	02	F	P		DRILL FE & 39' OPEN HOLE TO 2278' ROTARY SPUD @ 02:30 05/29/2009
	2:30 - 11:30	9.00	DRLPRO	02	D	P		DRILL, SLIDE & SURVEY 2278' - 3177' 899', 99.8 FPH, 45 RPM, MRPM 104.5, SPM 125, GPM 473, PU/SO/ROT 90/80/85, ON/OFF PSI 1750/ 1450, DIFF 300 PSI. VIS 26, WT 8.4 SWEEPING HOLE (SLIDES) 2355'-2365' / 2481' - 2491' / 2607' - 2619' RIG SERVICE
	11:30 - 12:00	0.50	DRLPRO	07	A	P		
	12:00 - 16:00	4.00	DRLPRO	02	D	P		DRILL, SLIDE & SURVEY 3177' - 3714' 537' 134.2 FPH, RPM 45, MRPM 104.5, SPM 125, GPM 473, PU/SO/ROT 94/ 84/ 87, ON/OFF PSI 1610/ 1306, DIFF 304, VIS 26, WT 8.4 SWEEPING HOLE (SLIDES) 3556' - 3566' / 3683' - 3693'
	16:00 - 16:30	0.50	DRLPRO	08	A	Z		REPAIR KELLY SPINNERS
	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL & SURVEY 3714' - 4664' 950', 126.6 FPH, RPM 45, MRPM 104.5, SPM 125, GPM 473, PU/SO/ROT 125/115/118, ON/OFF 1459/1230, DIFF 229, VIS 26, WT 8.4, SWEEPING HOLE
5/30/2009	0:00 - 23:30	23.50	DRLPRO	02	D	P		DRILL 4664' - 6781' 2117' 90 FPH, RPM 45, MRPM 105, SPM 125, GPM 473, PU/SO/ROT 152/140/146, ON/OFF PSI 2280/2030, DIFF 250 PSI, VIS 32, WT 10.0 HOLE TAKING FLUID @ 6310' LOST 350 BBLS TOTAL. MIX LCM TO 1% RIG SERVICE
	23:30 - 0:00	0.50	DRLPRO	07	A	P		
5/31/2009	0:00 - 16:00	16.00	DRLPRO	02	D	P		DRILL 6781' - 7951' 1170' 73.1 FPH, RPM 45, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 165/145/148, ON/OFF PSI 2540/2270, DIFF 270, VIS 33, WT 11.1 HOLE TAKING FLUID MIX LCM TO 2%, HIGH GAS 1900-9400 UNITS GAS .2 CUT IN MUD WT.
	16:00 - 16:30	0.50	DRLPRO	07	A	P		RIG SERVICE

RECEIVED October 19, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4HT		Spud Conductor: 4/25/2009		Spud Date: 5/2/2009	
Project: UTAH-UINTAH		Site: NBU 1022-4HT		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 5/2/2009		End Date: 6/3/2009	
Active Datum: RKB @5,087.00ft (above Mean Sea Level)		UWI: NBU 1022-4HT			

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/1/2009	16:30 - 0:00	7.50	DRLPRO	02	D	P		DRILL 7951' - 8267' 316', 42.1 FPH, RPM 50, MRPM 104, SPM 125, GPM 473, PU/SO/ROT 170/150/160, ON/OFF PSI 2799/2617, DIFF PSI 182, VIS 36, MW 11.8 2% LCM SHAKERS PYPASSED
	0:00 - 5:00	5.00	DRLPRO	02	D	P		DRILL 8267' - 8401' 134', 26.8 FPH, 50 RPM, MRPM 104, SPM 125, 473 GPM, PU/SO/ROT 170/150/161, ON/OFF PSI 2894/2494, DIFF 400, VIS 34, MW 12.0
	5:00 - 6:30	1.50	DRLPRO	05	C	P		CIRC F/ BIT TRIP
	6:30 - 7:00	0.50	DRLPRO	06	A	P		PUMP PILL, ATTEMPT TO TOOH, HOLE FLOWING & SURGING F/ GAS. KELLY BACK UP 12.1 MW IN 11.4 MW OUT, 30' BOTTOMS UP FLARE.
	7:00 - 10:00	3.00	DRLPRO	05	B	P		CIRC, WAIT ON BAR 30 MIN, RAISE MW TO 12.7 TO KILL GAS. PUMP PILL. NO FLOW.
	10:00 - 14:30	4.50	DRLPRO	06	A	P		TOOH, LAYDOWN DIR TOOLS & BENT HOUSING MOTOR
	14:30 - 20:00	5.50	DRLPRO	06	A	P		PICK UP NEW MOTOR & HUGHES Q505X, TIH TIGHT @ 6794' KELLY UP CLEAN TIGHT SPOT. 8134' - 8322' HOLE DRAG.
	20:00 - 20:30	0.50	DRLPRO	03	E	P		WASH & REAM 56' TO BOTTOM, NO FILL
	20:30 - 0:00	3.50	DRLPRO	02	B	P		DRILL 8401' - 8660' 259', 74 FPH, RPM 50, MRPM 73, SPM 120, GPM 454, PU/SO/ROT 171/155/161, ON/OFF 2835/2604, DIFF 231, VIS 39, WT 12.6+
	0:00 - 2:00	2.00	DRLPRO	02	B	P		DRILL 8660' - 8815' 155', 77.5 FPH, RPM 50, MRPM 73, SPM 120, GPM 454, PU/SO/ROT 171/155/161, ON/OFF PSI 2889/2601, DIFF 288, VIS 39, MW 12.6+
6/2/2009	2:00 - 3:30	1.50	DRLPRO	05	C	P		CIRCULATE F/ SHORT TRIP
	3:30 - 5:30	2.00	DRLPRO	06	E	P		SHORT TRIP 36 STDS TO 6565', TIGHT OUT @ 8215', WIPE TIGHT SPOT.
	5:30 - 7:00	1.50	DRLPRO	05	C	P		CIRCULATE TO LDDS, HELD SAFETY MEETING W/ KIMZEY & RIG UP EQUIPMENT
	7:00 - 10:00	3.00	DRLPRO	06	A	P		LDDS TO 4290', STUCK @ BIT
	10:00 - 14:00	4.00	DRLPRO	22	A	X		KELLY UP & WORK STUCK PIPE W/ & WITH OUT CIRCULATION, WAITING ON SURFACE JARS (DID VISUAL DERRICK, Y BASE, DEAD MAN & TURN BUCKLE INSPECTION)
	14:00 - 14:30	0.50	DRLPRO	19	A	X		HELD SAFETY MEETING, RIG UP SURFACE JARS, SET JARS & JAR DOWN ONCE, FREED UP.
	14:30 - 15:00	0.50	DRLPRO	05	F	P		KELLY UP, CIRC & CLEAN UP TIGHT SPOT, LD DN SURFACE JARS & RIG UP FLAG POLE, PUMP PILL
	15:00 - 18:30	3.50	DRLPRO	06	A	P		LDDS, BREAK DOWN KELLY & LD BHA, PULL WEAR BUSHING
	18:30 - 19:30	1.00	DRLPRO	12	A	P		HELD SAFETY MEETING, RIG UP KIMZEY CSG CREW
	19:30 - 0:00	4.50	DRLPRO	12	C	P		RUN 4.5 PRODUCTION CSG
6/3/2009	0:00 - 0:30	0.50	DRLPRO	12	C	P		RUN 4.5 PRODUCTION CSG
	0:30 - 3:00	2.50	DRLPRO	05	D	P		RIG UP BJ HEAD & CIRC W/ RIG PUMP, RIG DOWN KIMZEY, RIG UP BJ

RECEIVED October 19, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4HT		Spud Conductor: 4/25/2009		Spud Date: 5/2/2009	
Project: UTAH-UINTAH		Site: NBU 1022-4HT		Rig Name No: PIONEER 69/69, PROPETRO/	
Event: DRILLING		Start Date: 5/2/2009		End Date: 6/3/2009	
Active Datum: RKB @5,087.00ft (above Mean Sea Level)			UWI: NBU 1022-4HT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	3:00 - 6:00	3.00	DRLPRO	12	E	P		HELD SAFETY MEETING W/ BJ, SWITCH LINES & PSI TEST TO 4800 PSI, PUMP 10 BBLS FRESH WATER, PUMP LEAD 217.69 BBLS, 650 SCKS PREMIUM LITE 11 CEMENT @ 12.7 PPG, 1.89 cF/SACK YIELD, PUMP TAIL 305.53 BBLS, 1370 SACKS 50:50:2 POZ MIX CEMENT @ 14.3 PPG, 1.31 cF/SACK YIELD, FLUSH LINES & DROP PLUG, DISPLACE w/ 136.2 BBLS WATER W/ CLAYTREAT + 1 GL MAGNACIDE & CORR INHIBITER, LOST RETURNS 60 BBLS INTO DISPLACEMENT, BUMP PLUG W/ 3129 PSI PLUG HELD, ORIGINAL PUMP PSI 2640, 489 OVER PSI, NO CEMENT BACK TO SURFACE, 1.5 BBLS BLEED OFF, FLUSHED STACK & SET MANDREL W/ 50 K STRING WT, RIG DOWN BJ.
	6:00 - 10:00	4.00	DRLPRO	14	A	P		NIPPLE DOWN BOP, CLEAN MUD PITS. RELEASE RIG @ 10:00 06/03/2009

RECEIVED October 19, 2009

US ROCKIES REGION
Operation Summary Report

Well: NBU 1022-4HT	Spud Conductor: 4/25/2009	Spud Date: 5/2/2009
Project: UTAH-UINTAH	Site: NBU 1022-4HT	Rig Name No: GWS 1/1
Event: COMPLETION	Start Date: 10/8/2009	End Date: 10/14/2009
Active Datum: RKB @5,087.00ft (above Mean Sea Level)		UWI: NBU 1022-4HT

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
6/23/2009	-							
10/8/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. PINCH POINTS
	7:30 - 16:00	8.50	COMP	31	I	P		ROAD RIG FROM NBU 1022-4H-3. RU & SPOT EQUIPMENT. ND WELL HEAD NU BOP. PU 3 7/8" MILL & SUB. RIH W/ 200 JTS OF 2 3/8" J-55 TBG. EOT @ 6,312'. POOH STAND BACK 100 STANDS. LD MILL & SUB. ND BOP NU FRAC VALVES. SWI SDFN.
10/9/2009	7:00 - 7:30	0.50	COMP	48		P		HSM. PRESSURE TESTING & PERFORATING
	7:30 - 15:00	7.50	COMP	37	C	P		MIRU B&C QUICK TEST. PRESSURE TEST CASING & BOTH FRAC VALVES TO 7,000 PSI. GOOD TEST. RDMO B&C QUICK TEST. MIRU CASEDHOLE SOLUTIONS. PU 3 3/8" EXP GNS, 23 GRM, .36 HOLES, 90 DEG PHASING. RIH PERF 8,686' - 90' 4SPF, 8,666' - 68' 4SPF, 8,492' - 96' 4SPF, 40 HOLES. POOH W/ WIRE LINE. PREPED TO FRAC ON MONDAY.
10/12/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, WORKING W/ FRAC CREW AND WIRE LINE
	7:30 - 8:48	1.30	COMP	36	E	P		MIRU FRAC-TEC, PRIME UP PUMP AND LINES, PRESSURE TEST SURF LINES TO 7500# PSI. (STG 1) WHP 1658 PSI, BRK @ 3530 PSI @ 4.2 BPM, ISIP 2355 PSI, FG .71. PUMP 100 BBLS @ 51.9 BPM @ 4858 PSI = 100 % PERS OPEN. MP 6464 PSI, MR 52.5 BPM, AP 4956 PSI, AR 52. BPM, ISIP 2529 PSI, FG .73 NPI 174 PSI, PMPD 1202 BBLS SW, 30, 264 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 35,264.
	8:48 - 11:35	2.78	COMP	36	E	P		(STG 2) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 & 120 DEG PHASING. SET 8K CBP @ 8352' & PERF MV 8318'-22' 3 SPF 12 HLS, 8219'-8222' 4 SPF 12 HLS, 8186'-88' 3 SPF 6 HLS, 8128'-32' 3 SPF 12 HLS. 42 HLS. WHP 1370 PSI, BRK @ 3057 PSI @ 4.7 BPM, ISIP 2220 PSI, FG .70. PUMP 100 BBLS @ 50. BPM @ 5500 PSI = 60 % PERS OPEN. MP 5968 PSI, MR 50.4 BPM, AP 5106 PSI, AR 50.1 BPM, ISIP 2529 PSI, FG .74 NPI 309 PSI, PMPD 2370 BBLS SW, 89,922 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 94,922.

RECEIVED October 19, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4HT Spud Conductor: 4/25/2009 Spud Date: 5/2/2009

Project: UTAH-UINTAH Site: NBU 1022-4HT Rig Name No: GWS 1/1

Event: COMPLETION Start Date: 10/8/2009 End Date: 10/14/2009

Active Datum: RKB @5,087.00ft (above Mean Sea Level) UWI: NBU 1022-4HT

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	11:35 - 13:20	1.75	COMP	36	E	P		(STG 3) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K CBP @ 8042' & PERF MV 8008'-12' 4 SPF 16 HLS, 7950'-53' 4 SPF 12 HLS, 7886'-88' 4 SPF 8 HLS, 7848'-50' 4 SPF 8 HLS.44 HLS. WHP 1216 PSI, BRK @ 2538 PSI @ 4.5 BPM, ISIP 1860 PSI, FG .67. PUMP 100 BBLS @ 48. BPM @ 4492 PSI = 66 % PERS OPEN. MP 5075 PSI, MR 50.4 BPM, AP 4475 PSI, AR 48.6 BPM, ISIP 1959 PSI, FG .68. NPI 99 PSI, PMPD 954 BBLS SW, 30,499 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 35,499.
	13:20 - 14:55	1.58	COMP	36	E	P		(STG 4) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K CBP @ 7824' & PERF MV 7790'-94' 4 SPF 16 HLS, 7728'-30' 4 SPF, 8 HLS, 7701'-04' 4 SPF 12 HLS, 7666'-68' 4 SPF 8 HLS, 44 HLS. WHP 1747 PSI, BRK @ 2296 PSI @ 5.1 BPM, ISIP 1783 PSI, FG .66. PUMP 100 BBLS @ 53. BPM @ 4700 PSI = 73 % PERS OPEN. MP 5224 PSI, MR 53. BPM, AP 4150 PSI, AR 51.3 BPM, ISIP 2030 PSI, FG .70. NPI 247 PSI, PMPD 664 BBLS SW, 17,563 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 22,563.
	14:55 - 16:35	1.67	COMP	36	E	P		(STG 5) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K CBP @ 7650' & PERF MV 7618'-20' 4SPF 8 HLS, 7573'-76' 4 SPF 12 HLS, 7480'-84' 4 SPF 16 HLS, 7460'-62' 4 SPF 8 HLS. 44 HLS. WHP 678 PSI, BRK @ 3122 PSI @ 4.7 BPM, ISIP 1430 PSI, FG .62. PUMP 100 BBLS @ 52. BPM @ 4700 PSI = 60 % PERS OPEN. MP 5224 PSI, MR 53. BPM, AP 4150 PSI, AR 51.3 BPM, ISIP 2030 PSI, FG .70. NPI 247 PSI, PMPD 664 BBLS SW, 17,563 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 22,563.
	16:35 - 19:00	2.42	COMP	34	H	P		(STG 6) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K CBP @ 7422' & PERF MV 7388'-92' 4 SPF 16 HLS, GUN SHORTED OUT, POOH LOST SEAL BLOCKM ASS BELOW CCL, GOT FIXED RIH PERF, 7334'-36' 4 SPF 8 HLS, 7314'-16' 4 SPF 8 HLS, 7282'-84' 4 SPF 8 HLS, 40 HLS.POOH SWI SDFN.
10/13/2009	6:00 - 6:30	0.50	COMP	48		P		HSM, RIGGING DWN WIRE LINE AND FRAC CREW.
	6:30 - 7:02	0.53	COMP	36	E	P		(STG 6) SICP 766 PSI, BROKE @ 3689 PSI, @ 4.8 BPM, ISIP 1741, FG .67. PUMPED 100 BBLS @ 53 BPM @ 5300 PSI = 63% PERFS OPEN. MP 5450 PSI, MR 52.7 BPM, AP 5006 PSI, AR 51.8 BPM, ISIP 2262 PSI, FG .74 NPI 521 PSI, PMPD 972 BBLS SW, 32,853 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 37,853.

RECEIVED October 19, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4HT		Spud Conductor: 4/25/2009		Spud Date: 5/2/2009	
Project: UTAH-UINTAH		Site: NBU 1022-4HT		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 10/8/2009		End Date: 10/14/2009	
Active Datum: RKB @5,087.00ft (above Mean Sea Level)			UWI: NBU 1022-4HT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	7:02 - 10:10	3.13	COMP	34	H	P		(STG 7) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 PHASING. SET 8K CBP @ 7100' & PERF MV 7066'-70' 4 SPF 16 HLS DIDNT SHOOT, PULL UP TO 6974'-78' 4SPF 16 HLS DIDN'T GO OFF, PULL UP TO 6920'-22' 4 SPF 8 HOLES GUNS WENT OFF. POOH TOP 2 GUNS MISSED FIRED, BTM GUN WENT OFF IN TOP ZONE GOT HOLES F/ 6929'-6933' 4 SPF 16 HLS. REHEAD CABLE, TALKED W/ SARAH SCHAFTENAAR. WE WILL REPERF IN ORIGANAL SPOTS. RIH PERF 7066'-70' 4 SPF 16 HLS, 6974'-78' 4 SPF 16 HLS, 6920'-22' 4 SPF 8 HLS. TOTAL HOLES 56.(THIS WAS ALL WIRE LINE TIME.)
	10:10 - 10:41	0.52	COMP	36	E			(STG 7) WHP 188 PSI, BRK @ 2969 PSI @ 4.2 BPM, ISIP 1641 PSI, FG .67. PUMP 100 BBLS @ 52. BPM @ 4650 PSI = 68 % PERFS OPEN. MP 4900 PSI, MR 52.9 BPM, AP 3990 PSI, AR 52. BPM, ISIP 2268 PSI, FG .76 NPI 627 PSI, PMPD 962 BBLS SW, 32,660 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 37660.
	10:41 - 12:57	2.27	COMP	36	E	P		(STG 8) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 & 120 DEG PHASING. SET 8K CBP @ 6868' & PERF MV & WAS, MV 6834'-38' 4 SPF 16 HLS, WAS 6802'-06' 3 SPF 12 HLS, WAS 6744'-48' 4 SPF 16 HLS. 44 HLS. WHP 560 PSI, BRK @ 2573 PSI @ 4.8 BPM, ISIP 1104 PSI, FG .60. PUMP 100 BBLS @ 51. BPM @ 3670 PSI = 78 % PERFS OPEN. MP 4723 PSI, MR 51.4 BPM, AP 3830 PSI, AR 50.2 BPM, ISIP 2256 PSI, FG .77 NPI 1152 PSI, PMPD 2919 BBLS SW, 135,648 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 140,648.
	12:57 - 15:10	2.22	COMP	34	H	P		(STG 9) PU 41/2" HAL CBP & 31/8" EXP GUNS, 23 GRM, .36" HOLES 90 DEG PHASING. SET 8K CBP @ 5110' & PERF WAS, 5070'-74 4 SPF 16 HLS, 4968'-74' 4 SPF 24 HLS. 40 HLS. WHILE TRYING TO GO IN HOLE COULDN'T GET PAST 20' HAD A KINK IN LINE HAD TO PULL OFF SOME LINE AND REHEAD. GOT PLUG SET AND PERF'D OK.
	15:10 - 15:58	0.80	COMP	36	E	P		(STG 9) WHP 100 PSI, BRK @ 2054 PSI @ 4.3 BPM, ISIP 915 PSI, FG .62. PUMP 100 BBLS @ 52. BPM @ 2650 PSI = 100 % PERFS OPEN. MP 3087 PSI, MR 51.8 BPM, AP 2674 PSI, AR 50.7 BPM, ISIP 1181 PSI, FG .67 NPI 266 PSI, PMPD 1792 BBLS SW, 83,480 LBS 30/50 SND & 5,000 LBS 20/40 RESIN SAND. TOTAL PROP 88,480.
	15:58 - 17:30	1.53	COMP	34	I	P		(KILL PLUG) PU 41/2" HAL CBP RIH AND SET @ 4918'. POOH RDMO CASED HOLE SOLUTIONS AND FRAC TEC, SWI SDFN
10/14/2009	7:00 - 7:30	0.50	COMP	48		P		HSM, TRIPPING TBG AND WORKING W/ POWER SWIVEL.
	7:30 - 9:00	1.50	COMP	31	I	P		SICP VAC. ND FRAC VALVE NU BOPS RU FLOOR, PU RIH W/ 37/8 HURRICAN MILL,POBS, 1.875 X/N AND 23/8 TBG, TAG UP @ 4898', RU DRL EQUIP BROKE CIRC CONVENTINAL W/ 2% KCL.

RECEIVED October 19, 2009

US ROCKIES REGION

Operation Summary Report

Well: NBU 1022-4HT		Spud Conductor: 4/25/2009		Spud Date: 5/2/2009	
Project: UTAH-UINTAH		Site: NBU 1022-4HT		Rig Name No: GWS 1/1	
Event: COMPLETION		Start Date: 10/8/2009		End Date: 10/14/2009	
Active Datum: RKB @5,087.00ft (above Mean Sea Level)			UWI: NBU 1022-4HT		

Date	Time Start-End	Duration (hr)	Phase	Code	Sub Code	P/U	MD From (ft)	Operation
	9:00 - 19:00	10.00	COMP	44	D	P		<p>C/O 20' SAND TAG 1ST PLUG @ 4918' DRL PLG IN 5 MIN. VAC NO PSI INCREASE, RIH.</p> <p>C/O 100' SAND TAG 2ND PLUG @ 5180' PLUG FELL 70', DRL PLG IN 10 MIN 300# INCREASE, RIH.</p> <p>C/O 30' SAND TAG 3RD PLUG @ 6868' DRL PLG IN 9 MIN 800# INCREASE, RIH.</p> <p>C/O 30' SAND TAG 4TH PLUG @ 7100' DRL PLG IN 25 MIN 1100# INCREASE, RIH.</p> <p>C/O 50' SAND TAG 5TH PLUG @ 7418' DRL PLG IN 9 MIN 900# INCREASE, RIH.</p> <p>C/O 20' SAND TAG 6TH PLUG @ 7650' DRL PLG IN 11 MIN 80# INCREASE, RIH.</p> <p>C/O 30' SAND TAG 7TH PLUG @ 7824' DRL PLG IN 7 MIN 200# INCREASE, RIH.</p> <p>C/O 30' SAND TAG 8TH PLUG @ 8044' DRL PLG IN 8 MIN 1500# INCREASE, RIH.</p> <p>C/O 30' SAND TAG 9TH PLUG @ 8352' DRL PLG IN 12 MIN 1000# INCREASE, RIH.</p> <p>C/O TO PBTD @ 8764', CIRC WELL CLEAN. RD DRL EQUIP. L/D 22 JTS. EOT @ 8084' W/ 256 JTS 23/8 J-55 4.7# TBG. LAND TBG, ND BOPS, DROP BALL, NU WH, POBS LET FALL FOR 30 MIN TURN WELL OVER TO FB CREW. SICP 2,000 PSI, SITP 1,000 PSI.</p> <p>286 JTS 23/8 J-55 4.7# OUT BOUND 256 JTS LANDED 30 JTS RETURNED</p> <p>KB 18' 51/2 HANGER 7"= .80 256 JTS 23/8 J-55 4.7# = 8063.56' POBS W/ 1.875 X/N=2.20' EOT @ 8084.56'</p> <p>TWTR 12,888 BBLS TWR 800 BBLS TWLTR 12,800 BBLS 7 AM FLBK REPORT: CP 2700#, TP 2325#, 20/64" CK,55 BWPH, MEDIUM SAND, - GAS TTL BBLS RECOVERED: 1615 BBLS LEFT TO RECOVER:11273</p>
10/15/2009	7:00 -			33	A			<p>7 AM FLBK REPORT: CP 2700#, TP 2350#, 20/64" CK, 35 BWPH, MEDIUM SAND,- GAS TTL BBLS RECOVERED: 2675 BBLS LEFT TO RECOVER: 10213</p>
10/16/2009	7:00 -			33	A			<p>WELL TURNED TO SALE @ 1000 HR ON 10/16/09 - FTP 2300#, CP 2650#, 2 MCFD, 35 BWPD, 16/64 CK</p>
	10:00 -		PROD	50				

RECEIVED October 19, 2009

STATE OF UTAH DEPARTMENT OF NATURAL RESOURCES DIVISION OF OIL, GAS, AND MINING		FORM 9
SUNDRY NOTICES AND REPORTS ON WELLS Do not use this form for proposals to drill new wells, significantly deepen existing wells below current bottom-hole depth, reenter plugged wells, or to drill horizontal laterals. Use APPLICATION FOR PERMIT TO DRILL form for such proposals.		5. LEASE DESIGNATION AND SERIAL NUMBER: UTU-01191
1. TYPE OF WELL Gas Well		6. IF INDIAN, ALLOTTEE OR TRIBE NAME:
2. NAME OF OPERATOR: KERR-MCGEE OIL & GAS ONSHORE, L.P.		7. UNIT or CA AGREEMENT NAME: NATURAL BUTTES
3. ADDRESS OF OPERATOR: P.O. Box 173779 1099 18th Street, Suite 600, Denver, CO, 80217 3779		8. WELL NAME and NUMBER: NBU 1022-04HT
4. LOCATION OF WELL FOOTAGES AT SURFACE: 2034 FNL 0601 FEL QTR/QTR, SECTION, TOWNSHIP, RANGE, MERIDIAN: Qtr/Qtr: SENE Section: 04 Township: 10.0S Range: 22.0E Meridian: S		9. API NUMBER: 43047401510000
PHONE NUMBER: 720 929-6587 Ext		9. FIELD and POOL or WILDCAT: NATURAL BUTTES
COUNTY: UINTAH		STATE: UTAH
11. CHECK APPROPRIATE BOXES TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA		
TYPE OF SUBMISSION	TYPE OF ACTION	
<input type="checkbox"/> NOTICE OF INTENT Approximate date work will start:	<input type="checkbox"/> ACIDIZE	
<input type="checkbox"/> SUBSEQUENT REPORT Date of Work Completion:	<input type="checkbox"/> ALTER CASING	
<input type="checkbox"/> SPUD REPORT Date of Spud:	<input type="checkbox"/> CASING REPAIR	
<input checked="" type="checkbox"/> DRILLING REPORT Report Date: 5/7/2009	<input type="checkbox"/> CHANGE TO PREVIOUS PLANS	
	<input type="checkbox"/> CHANGE TUBING	
	<input type="checkbox"/> CHANGE WELL STATUS	
	<input type="checkbox"/> COMMINGLE PRODUCING FORMATIONS	
	<input type="checkbox"/> DEEPEN	
	<input type="checkbox"/> FRACTURE TREAT	
	<input type="checkbox"/> OPERATOR CHANGE	
	<input type="checkbox"/> PLUG AND ABANDON	
	<input type="checkbox"/> PRODUCTION START OR RESUME	
	<input type="checkbox"/> RECLAMATION OF WELL SITE	
	<input type="checkbox"/> REPERFORATE CURRENT FORMATION	
	<input type="checkbox"/> SIDETRACK TO REPAIR WELL	
	<input type="checkbox"/> TUBING REPAIR	
	<input type="checkbox"/> VENT OR FLARE	
	<input type="checkbox"/> WATER SHUTOFF	
	<input type="checkbox"/> SI TA STATUS EXTENSION	
	<input type="checkbox"/> WILDCAT WELL DETERMINATION	
	<input type="checkbox"/> OTHER:	
12. DESCRIBE PROPOSED OR COMPLETED OPERATIONS. Clearly show all pertinent details including dates, depths, volumes, etc. MIRU PROPETRO AIR RIG ON 05/02/2009. DRILLED 12 1/4" SURFACE HOLE TO 2260'. RAN 9 5/8" 36# J-55 SURFACE CSG. CMT W/350 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO RETURNS DROP PLUG ON FLY DISPLACE W/160 BBLs OF 8.3# WATER 140 PSI LIFT @3 BBLs/MIN BUMP PLUG HOLE 800 PSI. FLOAT NOT HOLDING HOLD 500 PSI NO CMT TO SURFACE. TOP OUT W/100 SX PREM CLASS G @15.8 PPG 1.15 YIELD. NO CMT TO SURFACE TOP OUT W/17S SX PREM CLASS G @15.8 PPG 1.15 YIELD. 2 BBLs OF CMT TO SURFACE HOLE STAYED FULL. WORT.		
<div style="display: flex; justify-content: space-between;"> <div> NAME (PLEASE PRINT) Sheila Upchego </div> <div> PHONE NUMBER 435 781-7024 </div> <div> TITLE Regulatory Analyst </div> </div>		
<div style="display: flex; justify-content: space-between;"> <div> SIGNATURE N/A </div> <div> DATE 5/8/2009 </div> </div>		